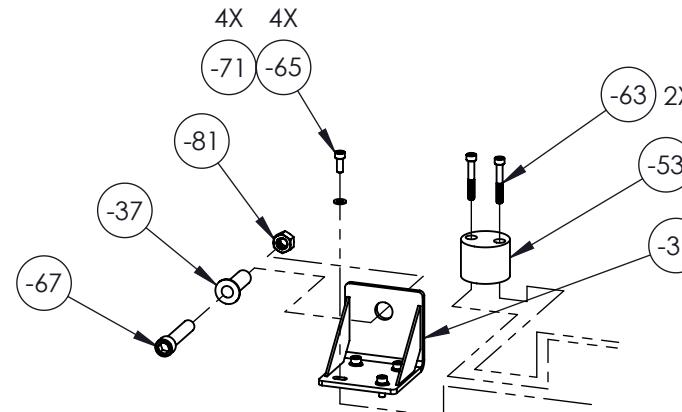
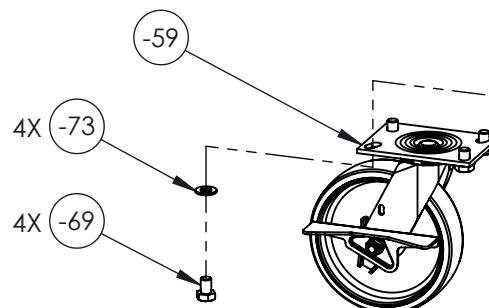


This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

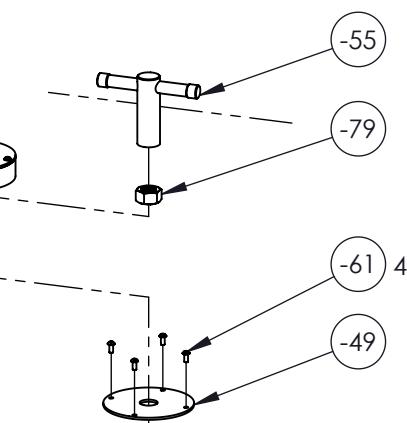
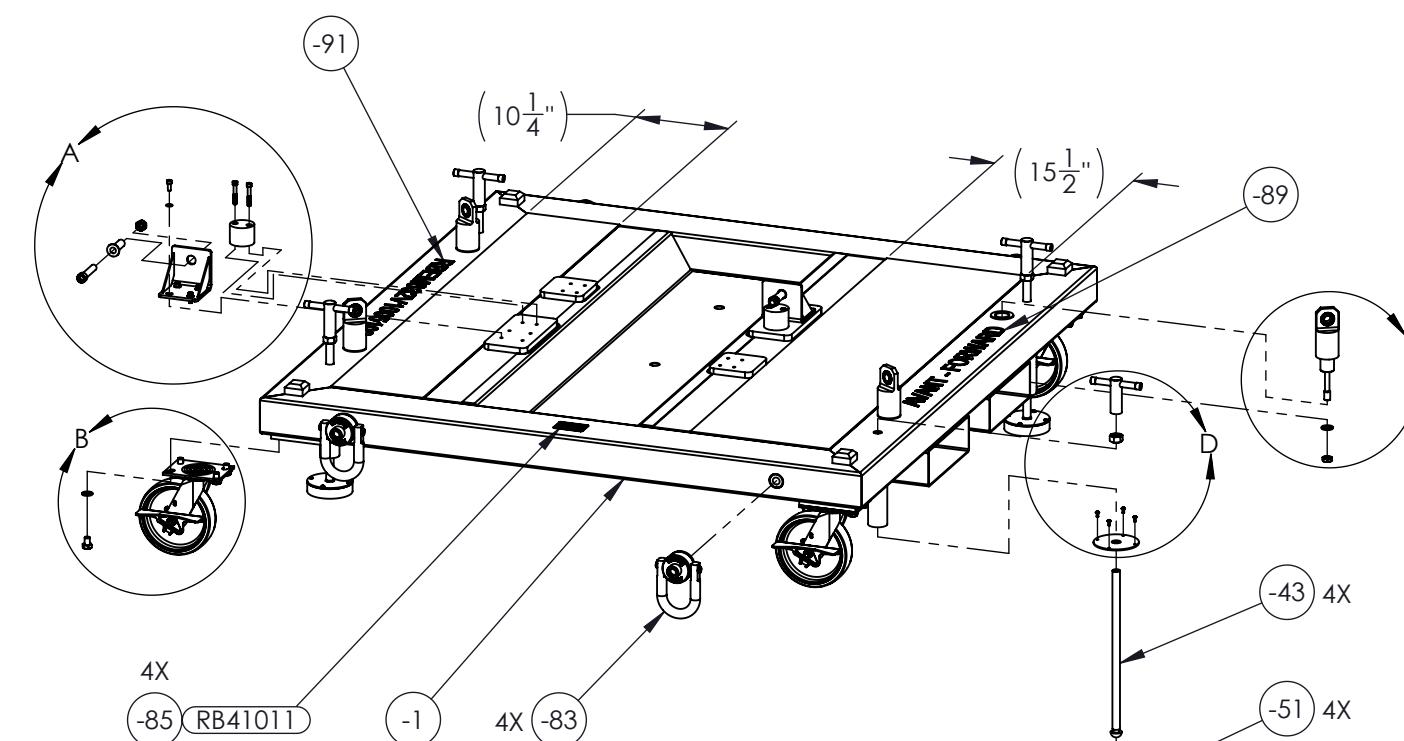
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	6/22/2016	DPD	JAG
2	16-0182	-1 ADDED DIM 17.20, 2X 19.87, 12.25, 67.00, 69.38; CH'D DIM WAS 39.67 IS (39.67) WAS 40.94 IS (40.94). -3, -5, -7, -21 CH'D DIM WAS .13 IS .12, -25 CH'D DIM WAS .09 IS .11, -27 CH'D DIM WAS .09 IS .11, -29 CH'D DIM WAS M20X2.5 - 6H $\overline{\vee}$ 1.58 IS 7/8-9 UNC-2B $\overline{\vee}$ 1.75. -41 ADDED DIM .05 X 45°; ADDED NOTE "CENTER OK". -45 CH'D DIM WAS $\overline{\phi}$ .6014/.5986 S.F. -47 IS $\overline{\phi}$ .6014/.5986 S.F. -47 CH'D DIM WAS $\overline{\phi}$ .6114/.6074 $\overline{\vee}$ .13 S.F. -45 IS $\overline{\phi}$ .6114/.6074 $\overline{\vee}$ .13 (S.F. -45). -53 CH'D DIM WAS 2X $\overline{\phi}$ .29 THRU ALL $\overline{\sqcup}$ $\overline{\phi}$ .43 $\overline{\vee}$ .25 IS 2X $\overline{\phi}$ .39 THRU ALL $\overline{\sqcup}$ $\overline{\phi}$ .59 $\overline{\vee}$ .32. -83 CH'D B/O INFORMATION WAS M20 X 2.5mm (CROSBY #1016657) IS 7/8-9 UNC (CROSBY #1016957). ADDED -85, -89 ADDED TO BOM QTY 1. ADDED DRAWING. -91 ADDED TO BOM QTY 1. ADDED DRAWING.	10/20/2016	SM	JAG



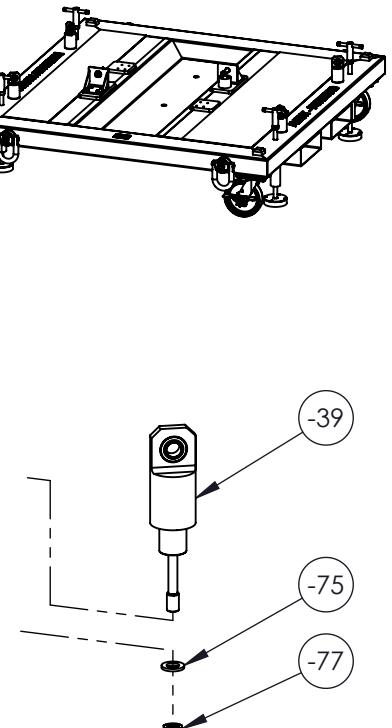
DETAIL A  
SCALE 1 : 10  
2 PLACES



DETAIL B  
SCALE 1 : 10  
4 PLACES



DETAIL C  
SCALE 1 : 10  
4 PLACES



DETAIL D  
SCALE 1 : 10  
4 PLACES

**SEE ATTACHED DEVIATION**

NOTE:  
REF. AIRBUS T/N: M632V1005102.

**DART**  
AEROSPACE

TITLE  
TRANSMISSION STAND

DWG NO. RBEM632V1005102

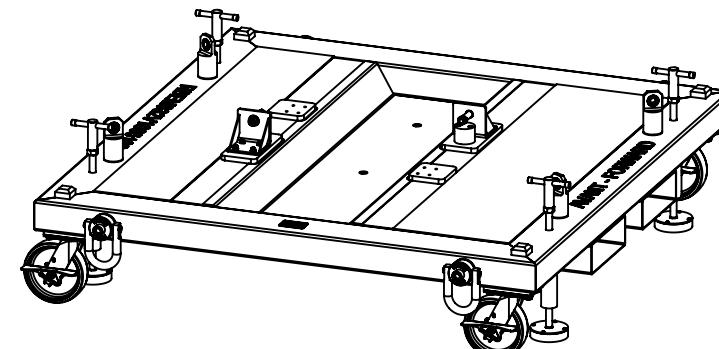
REV  
2

MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES XXX $\pm$ .005 FRACTIONS $\pm$ 1/8
HEAT TREAT	XXX $\pm$ .005 FRACTIONS $\pm$ 1/8
FINISH	XX $\pm$ .01 ANGLES $\pm$ 5°
SPEC	X $\pm$ .1 SURFACES = 125
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
SCALE	1:20
DATE	12/11/2015
SHEET	1 OF 31

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0182	-83 CH'D B/O INFORMATION WAS M20 X 2.5mm (CROSBY #1016657) IS 7/8-9 UNC (CROSBY #1016957). ADDED -85. -89 ADDED TO BOM QTY 1. ADDED DRAWING. -91 ADDED TO BOM QTY 1. ADDED DRAWING.	2/3/2017	SM	JAG

ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.	
				X	-1	1	BASE WELDMENT			3	
				2	-3		FRONT & REAR TUBE	STEEL		4	
				2	-5		SIDE TUBE	STEEL		5	
				2	-7		MID TUBE	STEEL		6	
				4	-9		ANCHOR POCKET	4140/4142		7	
				4	-11		SQUARE LUG	A36/1018/1020 HR		8	
				4	-13		JACKSCREW BASE	4140/4142		9	
				4	-15		WHEEL PLATE	A36/1018/1020 HR		10	
				2	-17		SMALL MOUNT PLATE	A36/1018/1020 HR		11	
				2	-19		LARGE MOUNT PLATE	A36/1018/1020 HR		12	
				8	-21		FORK POCKET	STEEL		13	
				1	-23		BOTTOM PAN	A36/1018/1020 HR		14	
				1	-25		SMALL COVER	A36/1018/1020 HR		15	
				1	-27		LARGE COVER	A36/1018/1020 HR		16	
				4	-29		TIE DOWN ANCHOR	4140/4142		17	
				X	-31	2	BRACKET WELDMENT			18	
				1	-33		BRACKET	A36/1018/1020 HR		19	
				2	-35		BRACKET GUSSET	A36/1018/1020 HR		20	
					-37	2	BUSHING	4140/4142		21	
				X	-39	4	ANCHOR ASSEMBLY			22	
				1	-41		ANCHOR	4140/4142		23	
				X	-43	4	JACKSCREW ROD WELDMENT			24	
				1	-45		JACKSCREW ROD	B7	M20 X 2.5mm X 500mm (MCMASTER-CARR #93325A442) MODIFIED	25	
				1	-47		JACKSCREW ROD PIVOT	4140/4142		26	
					-49	4	JACKSCREW COVER	A36/1018/1020 HR		27	
					-51	4	JACKSCREW FOOT	4140/4142		28	
					-53	2	DELRIN PAD	WHITE DELRIN/ACETAL		29	
				B/O	-55	4	JACKSCREW HANDLE	STEEL	M20 X 2.5mm X 3.74 (J.W. WINCO #20NB20)	1	
				1	B/O	-57	SPHERICAL BEARING	STEEL	Ø.787 I.D. X Ø1.378 O.D. X .472 (SKF #GE 20 ES-2RS)	22	
					B/O	-59	4	CASTER WITH BRAKE		Ø8 (COLSON #4.08199.939 MTG2BRK3)	1
					B/O	-61	16	BUTTON HEAD SOCKET CAP SCREW	S.S.	M5 X 0.8 X 12mm (MCMASTER-CARR #92095A210)	1
					B/O	-63	4	SOCKET HEAD CAP SCREW	S.S.	M8 X 1.25 X 55mm (MCMASTER-CARR #91292A156)	1
					B/O	-65	8	SOCKET HEAD CAP SCREW	STEEL	M8 X 1.25 X 20mm (MCMASTER-CARR #90128A274)	1
					B/O	-67	2	SOCKET HEAD CAP SCREW	S.S.	M16 X 2 X 80mm (MCMASTER-CARR #91292A247)	1
					B/O	-69	16	HEX HEAD CAP SCREW	STEEL	M14 X 1.5 X 20mm (MCMASTER-CARR #91180A774)	1
					B/O	-71	8	WASHER	STEEL	M8 (MCMASTER-CARR #91166A270)	1
					B/O	-73	16	WASHER	STEEL	M14 (MCMASTER-CARR #91166A300)	1
					B/O	-75	4	WASHER	STEEL	M16 (MCMASTER-CARR #91166A310)	1
					B/O	-77	4	HEX NUT	STEEL	M16 X 2 (MCMASTER-CARR #90695A125)	1
					B/O	-79	4	HEX NUT	STEEL	M20 X 2.5mm (MCMASTER-CARR #90591A230)	1
					B/O	-81	2	HEX NUT	S.S.	M16 X 2 (MCMASTER-CARR #91828A430)	1
					B/O	-83	4	TIE DOWN	STEEL	7/8-9 UNC (CROSBY # 1016957)	1
					B/O	-85	4	SCREW NAIL	STEEL	#4 X .25 (MCMASTER-CARR # 90081A144)	1
					B/O	-87	1	CRATE	ISPM15 CERT. HT	CRATE (id) 78 X 70 X 28	N/S
					B/O	-89	1	LABEL	BLACK CUT, VINYL	SIGNS NOW	30
					B/O	-91	1	LABEL	BLACK CUT, VINYL	SIGNS NOW	31
					B/O	1	DART PLACARD	ALUMINUM	RB41011		1
ASSY -43	ASSY -39	ASSY -31	ASSY -1								

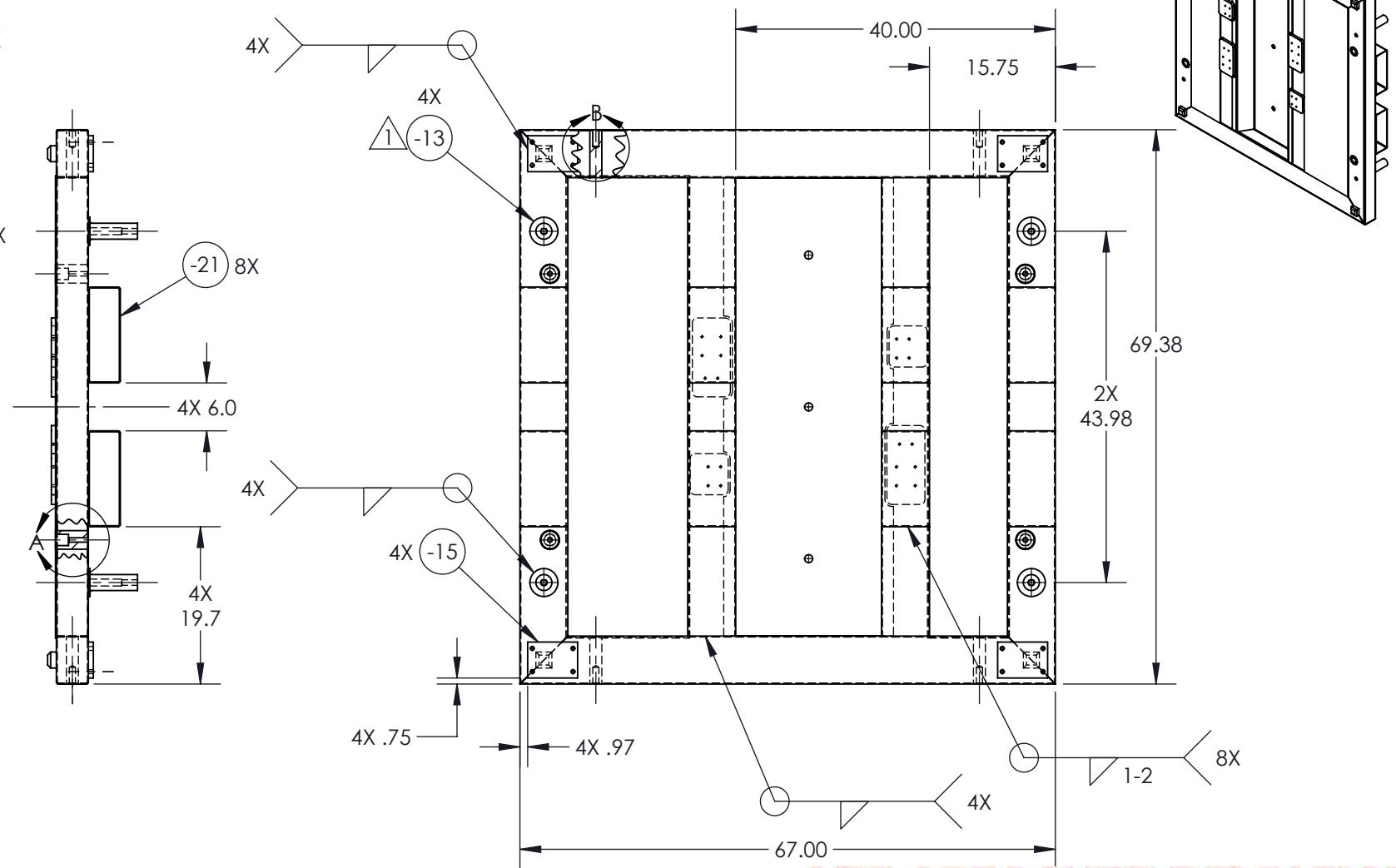
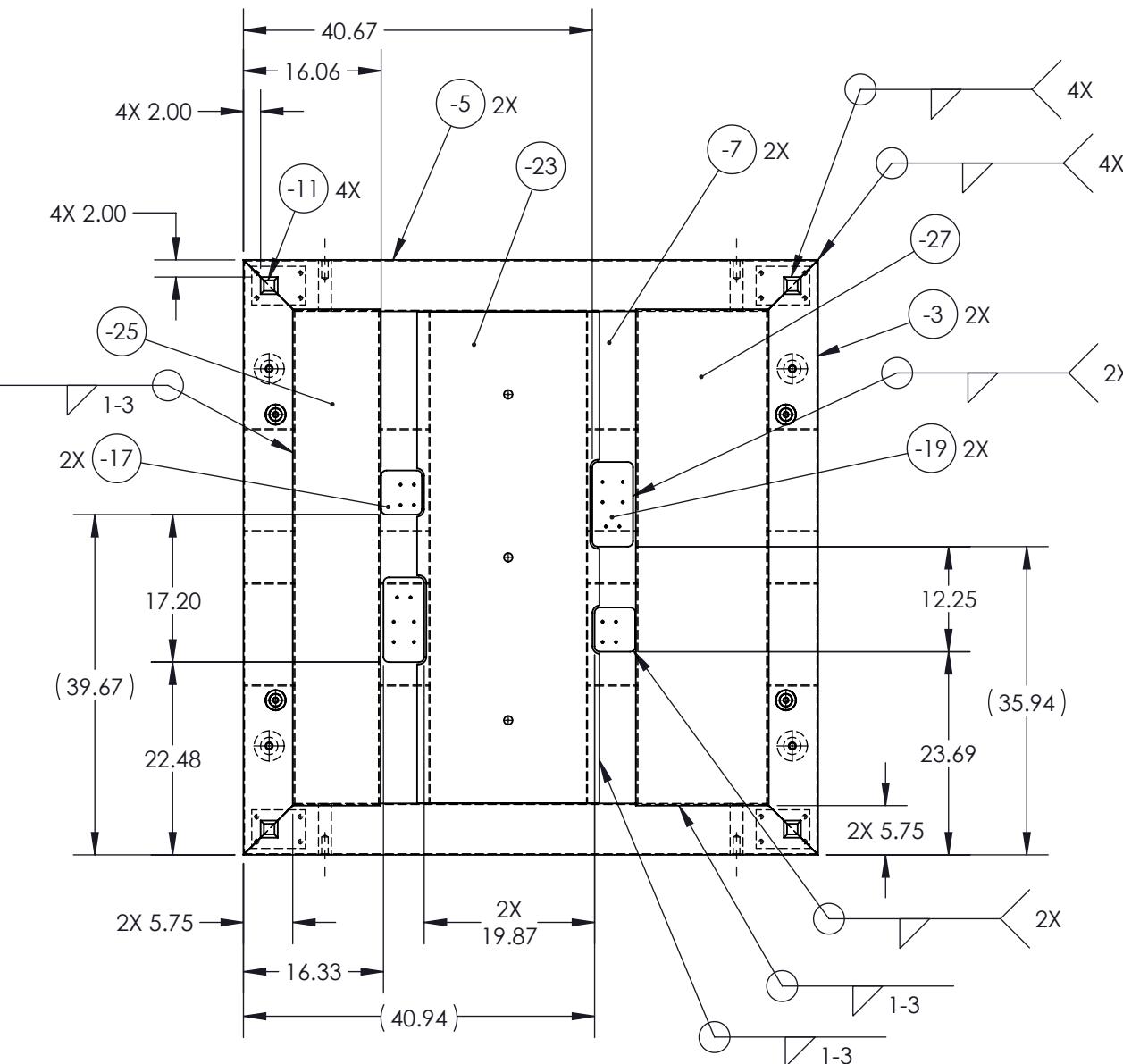


SEE ATTACHED DEVIATION

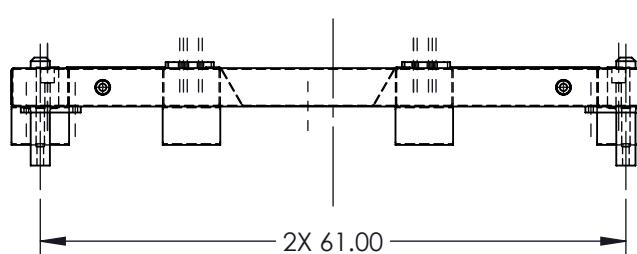
 <b>TRANSMISSION STAND</b>		TITLE	DWG NO.	REV			
			RBEM632V1005102				
MAT'L		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
HEAT TREAT		XXX ± .005 FRACTIONS ± 1/8					
FINISH		XX ± .01 ANGLES ± 5°					
SPEC		X ± .1 SURFACES = 125					
DRAWN BY:		1. BREAK ALL SHARP EDGES					
CHECKED:		.015 x 45° OR .015R					
OPPS APPR:		2. DIMENSIONAL LIMITS APPLY AFTER PLATING					
QA APPR:		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009					
APPROVED:		USED ON MODEL					
SCALE		H175					
DATE		12/11/2015					
SHEET 2 OF 31							

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

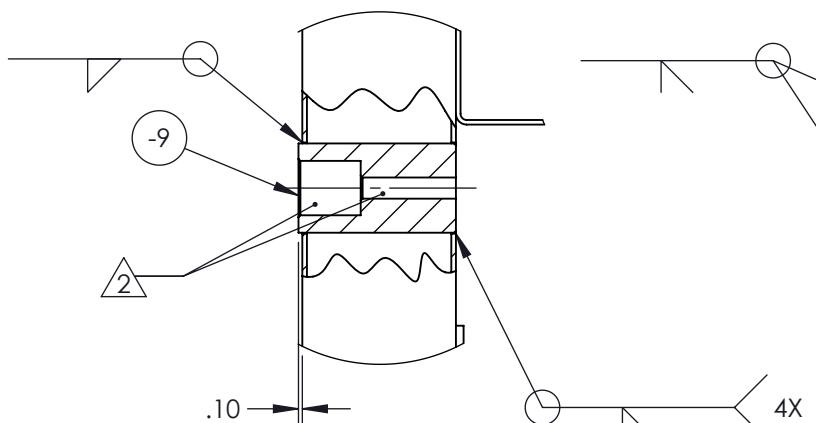
REVISIONS						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	
2	16-0182	<b>-1</b> ADDED DIM 17.20, 2X 19.87, 12.25, 67.00, 69.38; CH'D DIM WAS 39.67 IS (39.67) WAS 40.94 IS (40.94).	10/20/2016	SM	JAG	



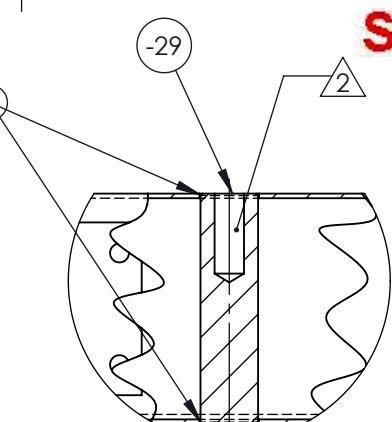
**SEE ATTACHED DEVIATION**



-1



DETAIL A  
SCALE 1 : 5  
4 PLACES



DETAIL B  
SCALE 1 : 5  
4 PLACES

**NOTE:**  
1 Holes must align.  
2 No powder coat this surface

## TRANSMISSION STAND

RBEM632V1005102-1

M632V1005102-1

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES  
.000 ± .010 FRACTIONS ± 1/8

ELLOW .XX ± .03 ANGLES ± 1°  
X ± .1 SURFACES = 125/

**1. BREAK ALL SHARP EDGES**

ELDT .015 x 45° OR .015R  
2. DIMENSIONAL LIMITS APPLY

AFTER PLATING  
3. INTERPRET DIM AND TOL PER

SON ASME Y14.5M-2009  
/ USED ON MODEL

USED ON MODEL	
	H175

DATE 12/11/2015 SHEET 3 OF 31

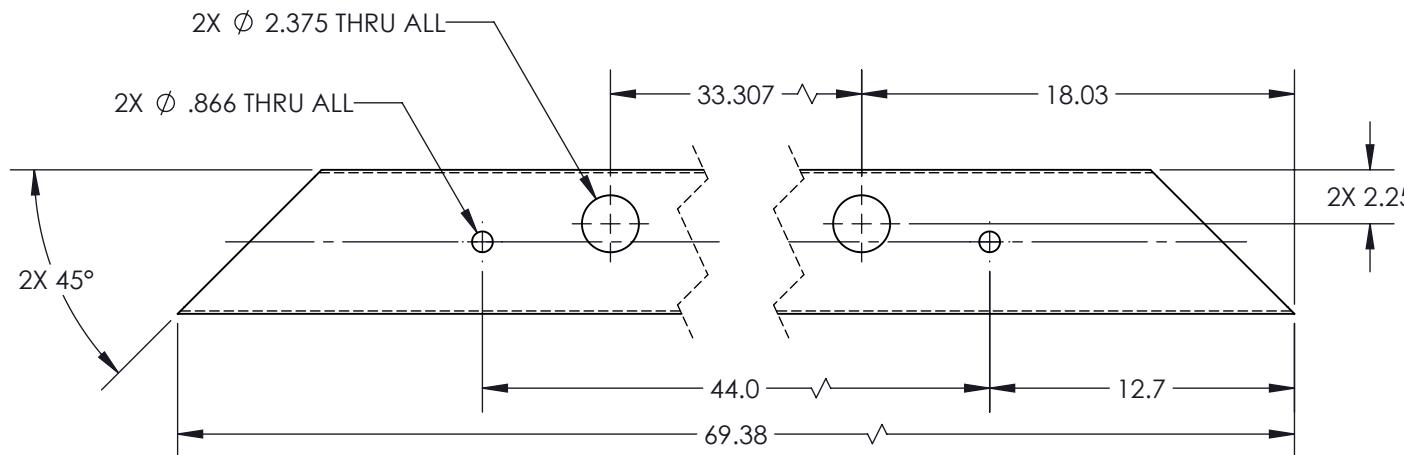
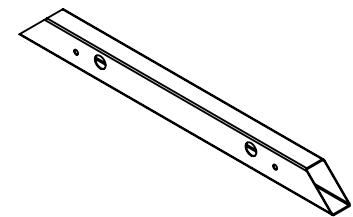
12/11/2015

---

Page 10 of 10

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV			ECR			DESCRIPTION			DATE			INITIAL		APPROVED	
2	16-0182		<b>-3</b> CH'D DIM WAS .13 IS .12.						10/20/2016			SM		JAG	



**SEE ATTACHED DEVIATION**



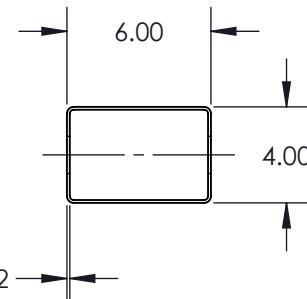
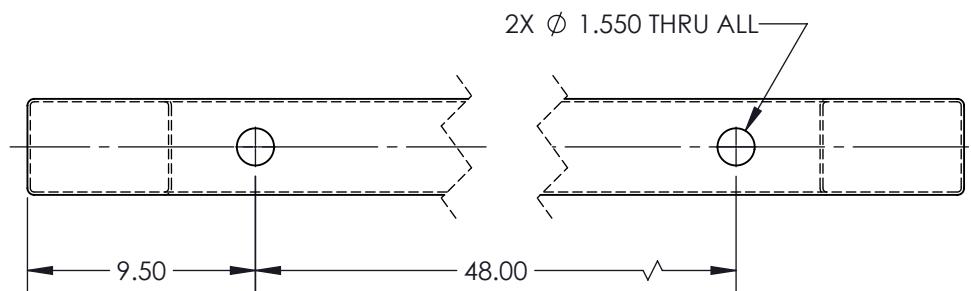
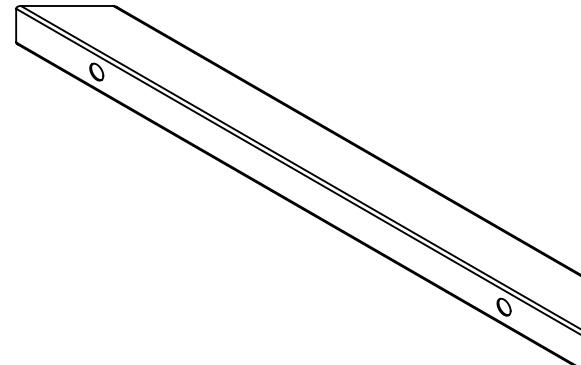
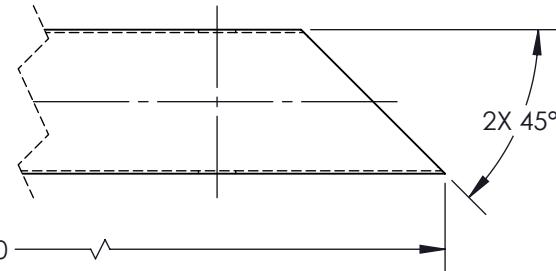
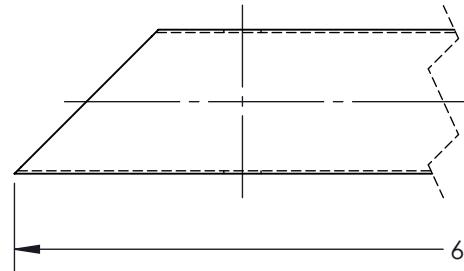
TITLE		TRANSMISSION STAND	
DWG NO.		RBEM632V1005102-3	
MATERIAL		STEEL	
HEAT		UNLESS OTHERWISE SPECIFIED	
TREAT		DIMENSIONS ARE IN INCHES	
FINISH SEE -1 WELDMENT		.XXX ± .010 FRACTIONS ± 1/8	
SPEC		.XX ± .03 ANGLES ± 1°	
DRAWN BY: DUERFELDT		X ± .1 SURFACES = 125 ✓	
CHECKED: CLOUGH		1. BREAK ALL SHARP EDGES	
OPPS APPR: ANDERSON		.015 x 45° OR .015R	
QA APPR: LINDSAY		2. DIMENSIONAL LIMITS APPLY	
APPROVED: GILBERT		AFTER PLATING	
		3. INTERPRET DIM AND TOL PER	
		ASME Y14.5M-2009	
SCALE 1:8		USED ON MODEL	
DATE 12/11/2015		H175	
SHEET 4 OF 31			

(-3)

FRONT & REAR TUBE

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV			ECR			DESCRIPTION			DATE			INITIAL			APPROVED		
2	16-0182		<b>-5</b> CH'D DIM WAS .13 IS .12.						10/20/2016			SM			JAG		



**SEE ATTACHED DEVIATION**

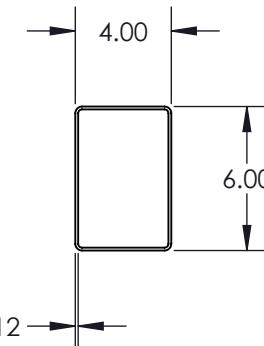
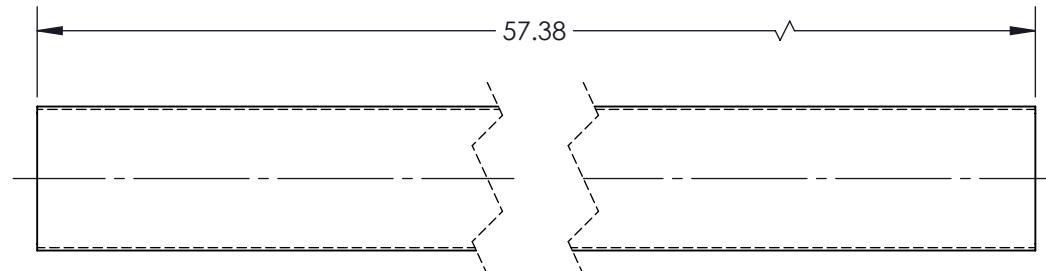
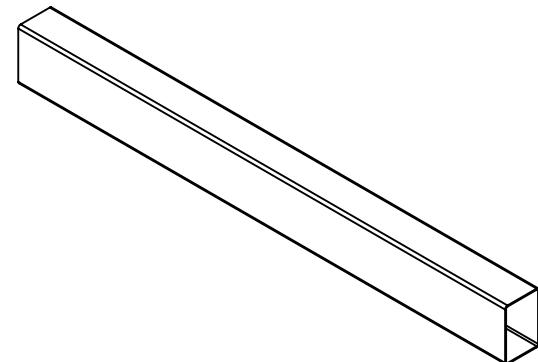
(-5)

SIDE TUBE

<b>DART</b> AEROSPACE	
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-5
REV	2
MAT'L	STEEL
HEAT	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .010 FRACTIONS ± 1/8
SEE -1 WELDMENT	.XX ± .03 ANGLES ± 1°
SPEC	X ± .1 SURFACES = 125
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	H175
SCALE	1:8
DATE	12/11/2015
SHEET	5 OF 31

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV			ECR			DESCRIPTION			DATE			INITIAL			APPROVED		
2	16-0182		<b>-7</b> CH'D DIM WAS .13 IS .12.						10/20/2016			SM			JAG		



**SEE ATTACHED DEVIATION**



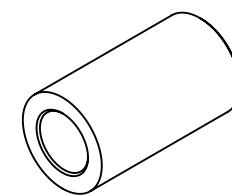
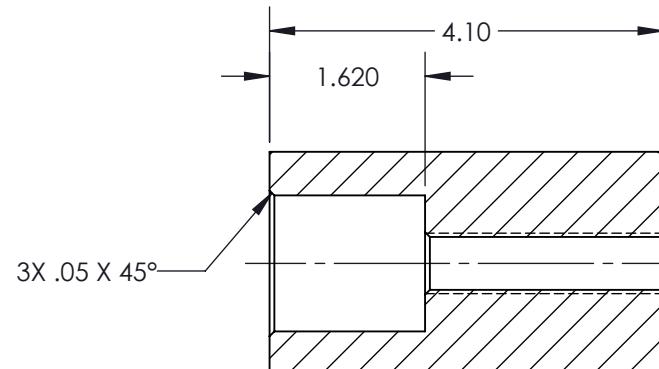
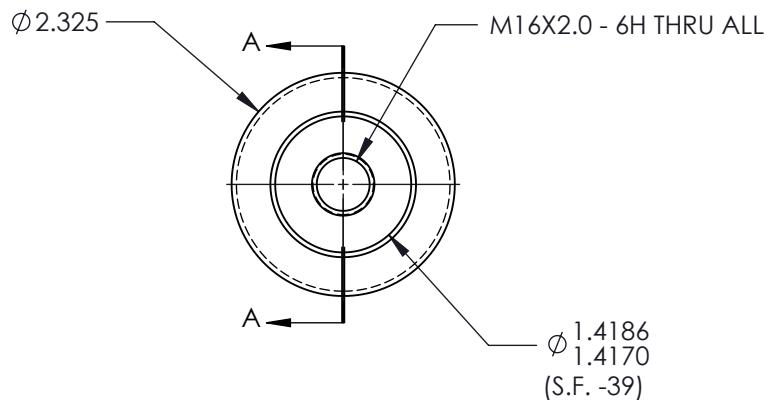
TITLE		TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-7		REV 2
MATERIAL		STEEL	
HEAT		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TREAT		.XXX ± .010 FRACTIONS ± 1/8	
FINISH	SEE -1 WELDMENT	.XX ± .03 ANGLES ± 1°	
SPEC		X ± .1 SURFACES = 125 ✓	
DRAWN BY:	DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
CHECKED:	CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPPS APPR:	ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR:	LINDSAY	USED ON MODEL	
APPROVED:	GILBERT	H175	
SCALE	1:8	DATE	12/11/2015
			SHEET 6 OF 31

(-7)

MID TUBE

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		REVISIONS			DESCRIPTION		DATE		INITIAL		APPROVED	
-----	--	-----	--	-----------	--	--	-------------	--	------	--	---------	--	----------	--



**SEE ATTACHED DEVIATION**



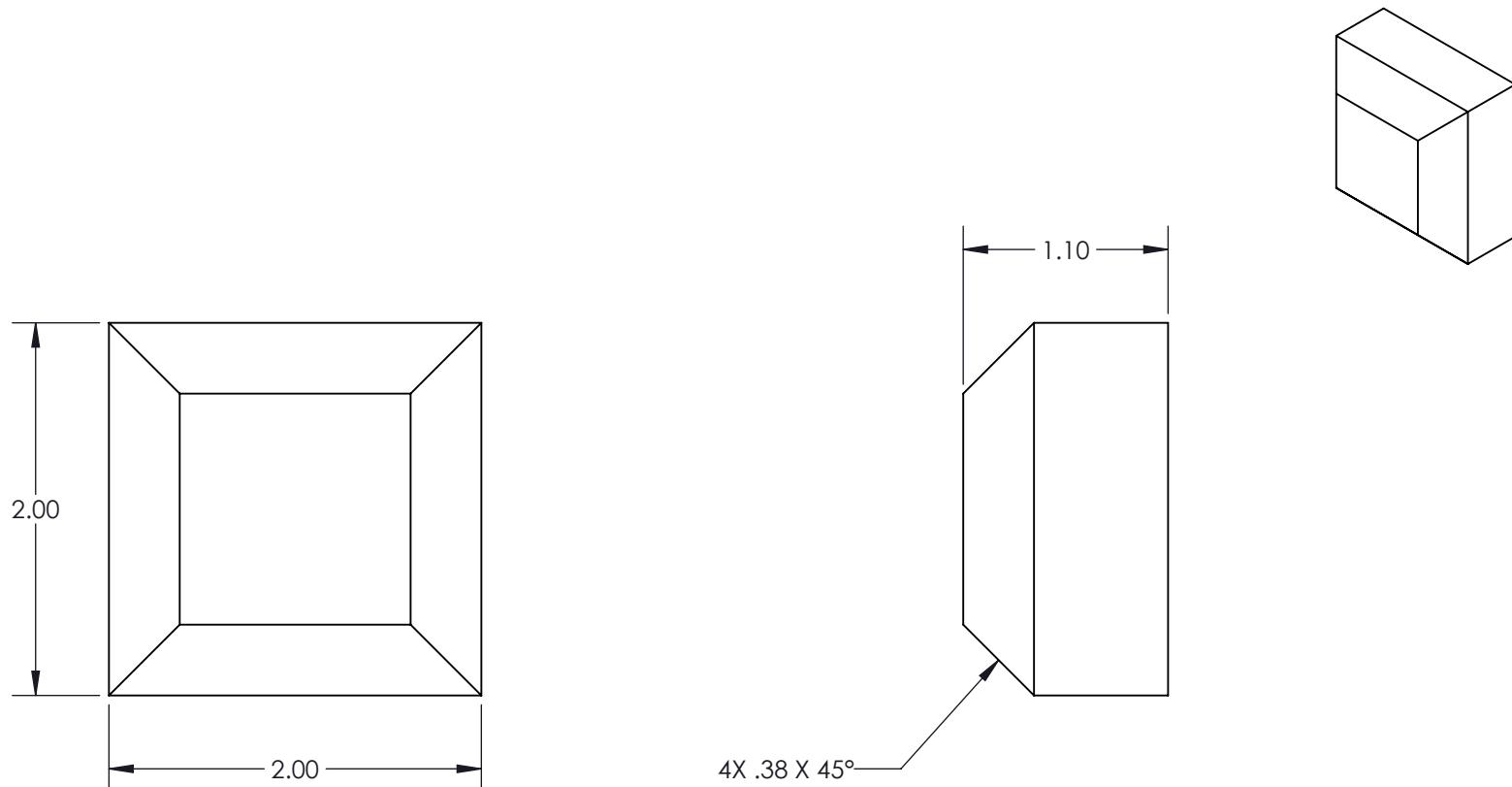
TITLE			REV	
TRANSMISSION STAND			2	
DWG NO.	RBEM632V1005102-9			
MAT'L	4140/4142	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
HEAT		.XXX ± .005 FRACTIONS ± 1/8		
TREAT		.XX ± .01 ANGLES ± 5°		
FINISH	SEE -1 WELDMENT	X ± .1 SURFACES = 125		
SPEC		✓		
DRAWN BY:	DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		
CHECKED:	CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
OPPS APPR:	ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009		
QA APPR:	LINDSAY	USED ON MODEL		
APPROVED:	GILBERT	H175		
SCALE	1:2	DATE	12/11/2015	
			SHEET 7 OF 31	

(-9)

ANCHOR POCKET

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION			DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	--	------	---------	----------



**SEE ATTACHED DEVIATION**



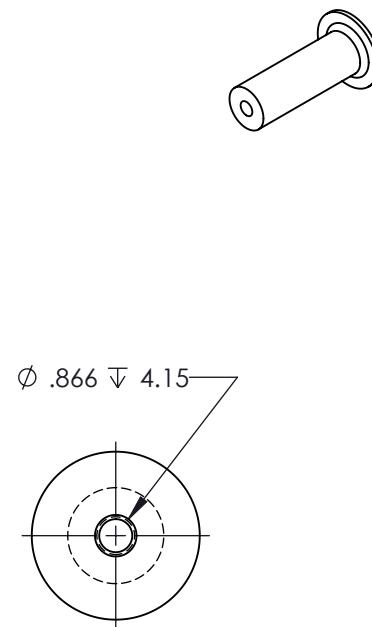
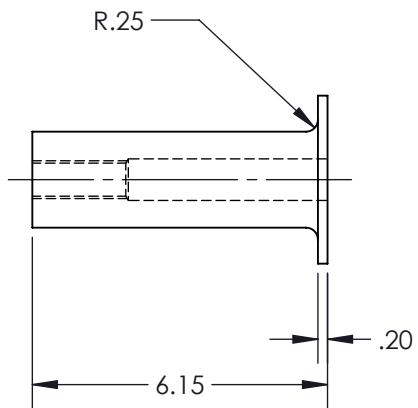
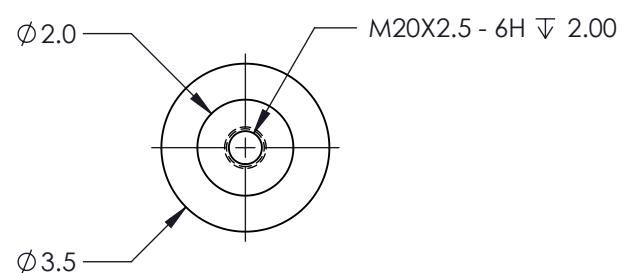
TITLE		TRANSMISSION STAND	
DWG NO.		RBEM632V1005102-11	
MAT'L		A36/1018/1020 HR	
HEAT		UNLESS OTHERWISE SPECIFIED	
TREAT		DIMENSIONS ARE IN INCHES	
FINISH SEE -1 WELDMENT		.XXX ± .005 FRACTIONS ± 1/8	
SPEC		.XX ± .01 ANGLES ± 5°	
DRAWN BY: DUERFELDT		X ± .1 SURFACES = 125 ✓	
CHECKED: CLOUGH		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
OPPS APPR: ANDERSON		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
QA APPR: LINDSAY		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
APPROVED: GILBERT		USED ON MODEL	
H175			
SCALE 1:1		DATE 12/11/2015	
		SHEET 8 OF 31	

(-11)

SQUARE LUG

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION		DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	------	---------	----------



**SEE ATTACHED DEVIATION**



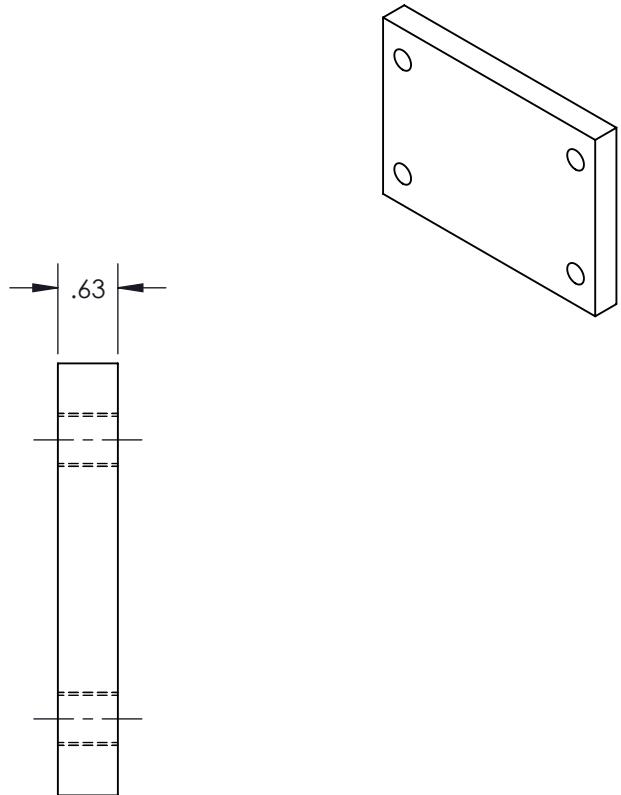
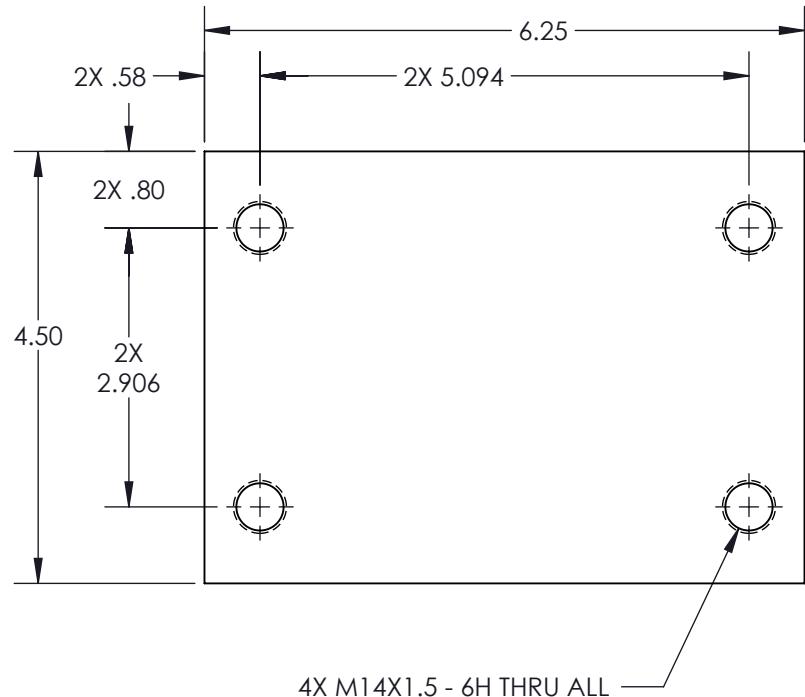
TITLE		REV
TRANSMISSION STAND		2
DWG NO.		RBEM632V1005102-13
MAT'L 4140/4142		
UNLESS OTHERWISE SPECIFIED		
DIMENSIONS ARE IN INCHES		
.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8		
.XX $\pm$ .01 ANGLES $\pm$ 5°		
X $\pm$ .1 SURFACES = 125		
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009		
DRAWN BY: DUERFELDT		USED ON MODEL
CHECKED: CLOUGH		
OPPS APPR: ANDERSON		
QA APPR: LINDSAY		
APPROVED: GILBERT		H175
SCALE	1:4	DATE 12/11/2015
SHEET 9 OF 31		

(-13)

JACKSCREW BASE

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION			DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	--	------	---------	----------



**SEE ATTACHED DEVIATION**



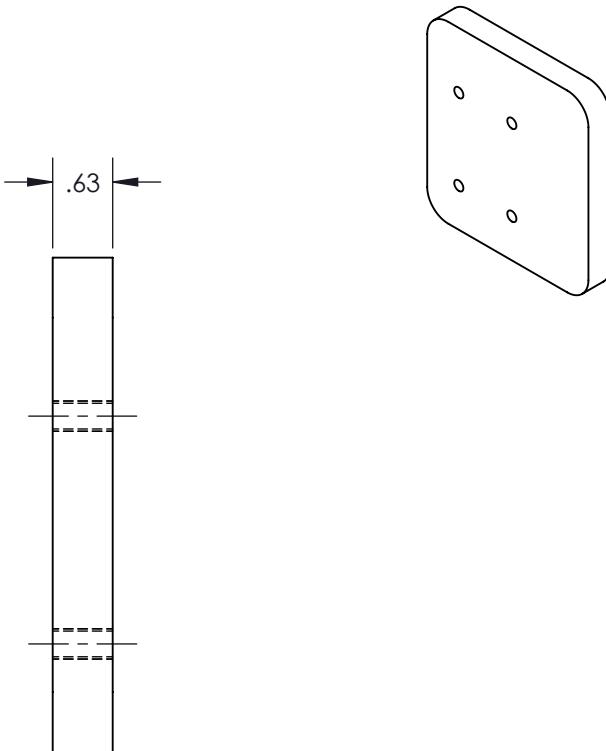
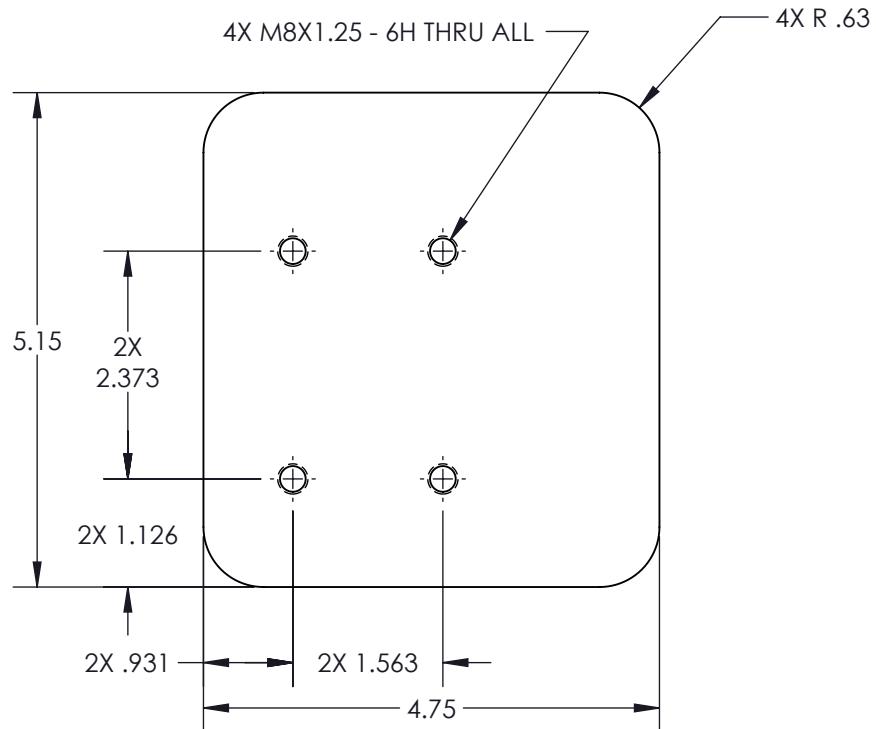
TITLE		REV
TRANSMISSION STAND		2
DWG NO.		RBEM632V1005102-15
MAT'L A36/1018/1020 HR		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT		.XXX ± .005 FRACTIONS ± 1/8
TREAT		.XX ± .01 ANGLES ± 5°
FINISH SEE -1 WELDMENT		X ± .1 SURFACES = 125
SPEC		✓
DRAWN BY: DUERFELDT		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH		2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY		USED ON MODEL
APPROVED: GILBERT		H175
SCALE	1:2	DATE 12/11/2015
		SHEET 10 OF 31

-15

WHEEL PLATE

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION			DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	--	------	---------	----------



**SEE ATTACHED DEVIATION**



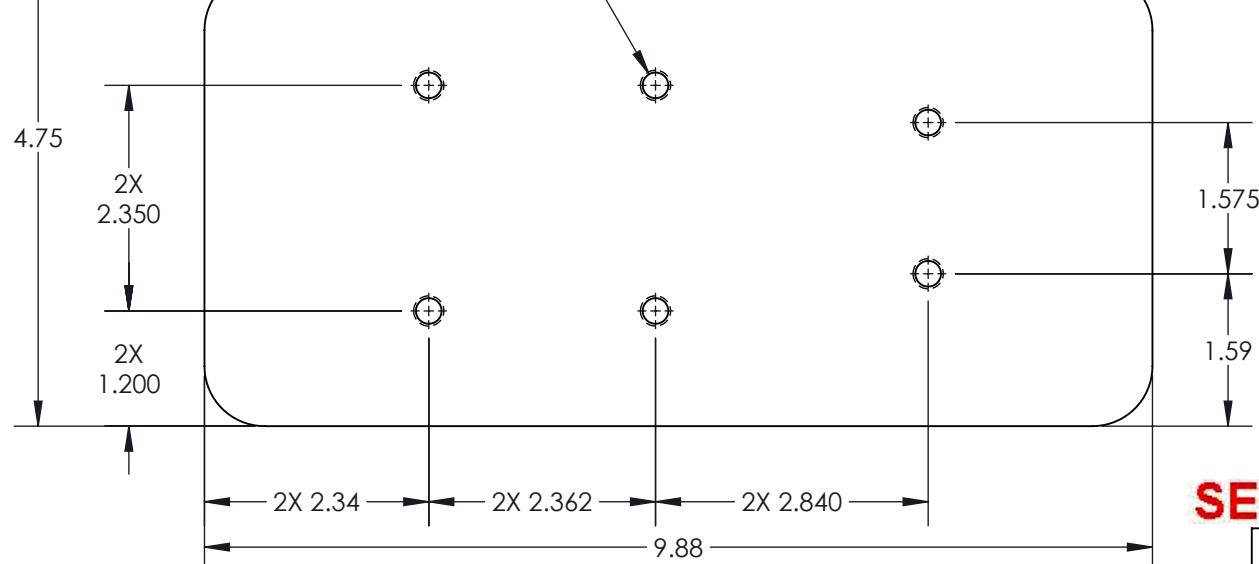
TITLE		REV
TRANSMISSION STAND		2
DWG NO.		RBEM632V1005102-17
MAT'L A36/1018/1020 HR		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT		.XXX ± .005 FRACTIONS ± 1/8
FINISH SEE -1 WELDMENT		.XX ± .01 ANGLES ± 5°
SPEC		X ± .1 SURFACES = 125 ✓
DRAWN BY: DUERFELDT		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH		2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY		USED ON MODEL
APPROVED: GILBERT		H175
SCALE	1:2	DATE 12/11/2015
		SHEET 11 OF 31

(-17)

SMALL MOUNT PLATE

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION		DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	------	---------	----------



**SEE ATTACHED DEVIATION**



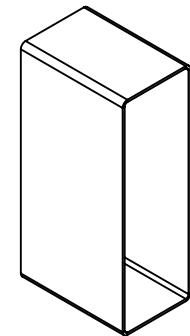
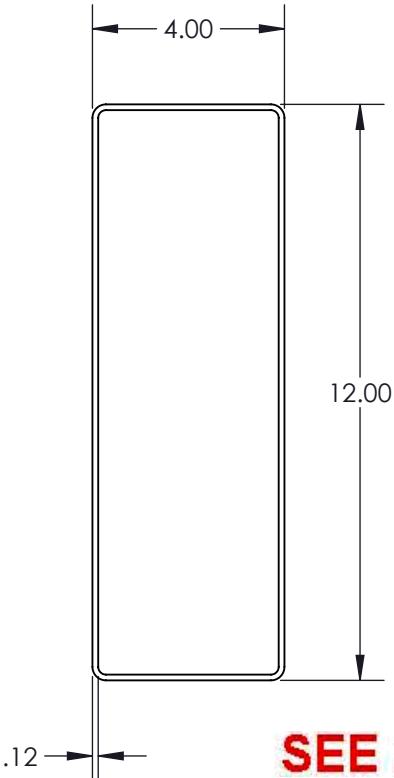
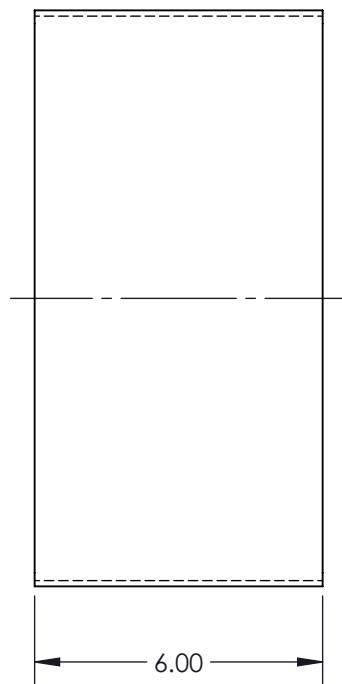
TITLE		REV
TRANSMISSION STAND		2
DWG NO.		RBEM632V1005102-19
MAT'L A36/1018/1020 HR		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT		.XXX ± .005 FRACTIONS ± 1/8
FINISH SEE -1 WELDMENT		.XX ± .01 ANGLES ± 5°
SPEC		X ± .1 SURFACES = 125 ✓
DRAWN BY: DUERFELDT		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH		2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY		USED ON MODEL
APPROVED: GILBERT		H175
SCALE	1:2	DATE 12/11/2015
		SHEET 12 OF 31

(-19)

LARGE MOUNT PLATE

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV			ECR			DESCRIPTION			DATE			INITIAL			APPROVED		
2			16-0182			-21 CH'D DIM WAS .13 IS .12.			10/20/2016			SM			JAG		



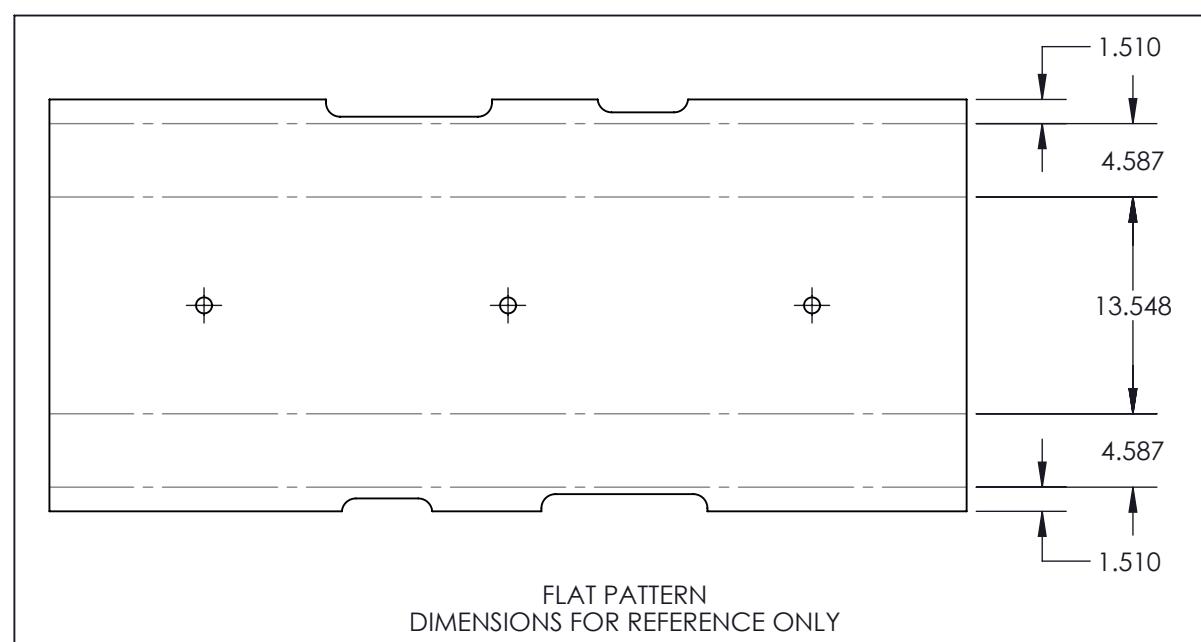
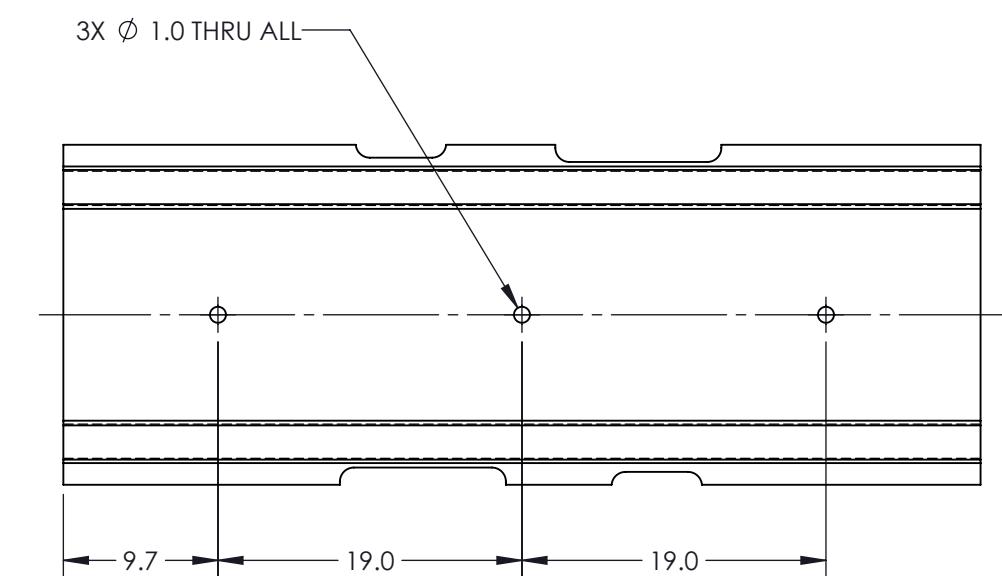
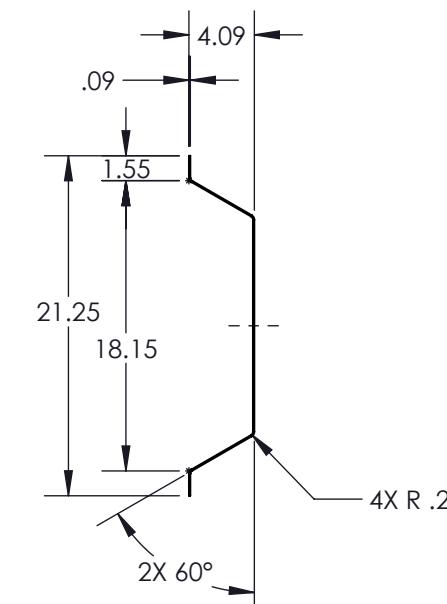
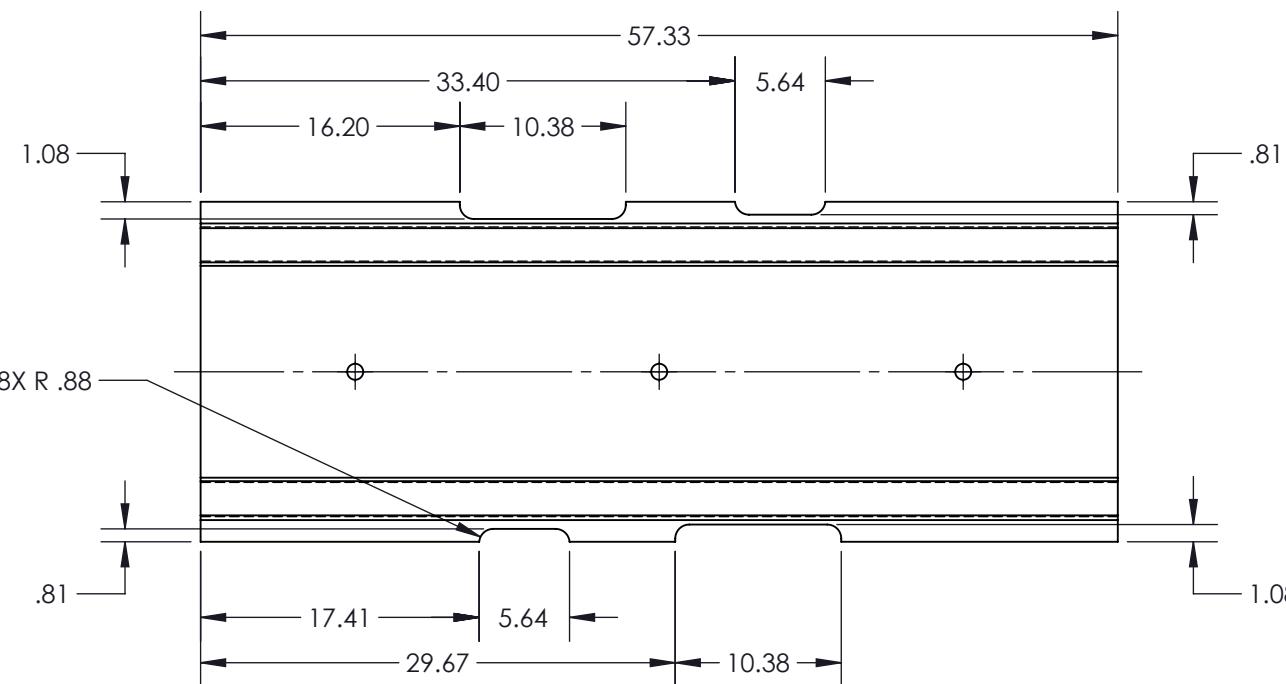
**SEE ATTACHED DEVIATION**



TITLE		REV	
DWG NO.		2	
MAT'L	STEEL	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT		.XXX ± .010 FRACTIONS ± 1/8	
TREAT		.XX ± .03 ANGLES ± 1°	
FINISH	SEE -1 WELDMENT	X ± .1 SURFACES = 125	
SPEC		✓	
DRAWN BY:	DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
CHECKED:	CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPPS APPR:	ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR:	LINDSAY	USED ON MODEL	
APPROVED:	GILBERT	H175	
SCALE	1:4	DATE	12/11/2015
			SHEET 13 OF 31

(-21)

FORK POCKET



-23

BOTTOM PAN

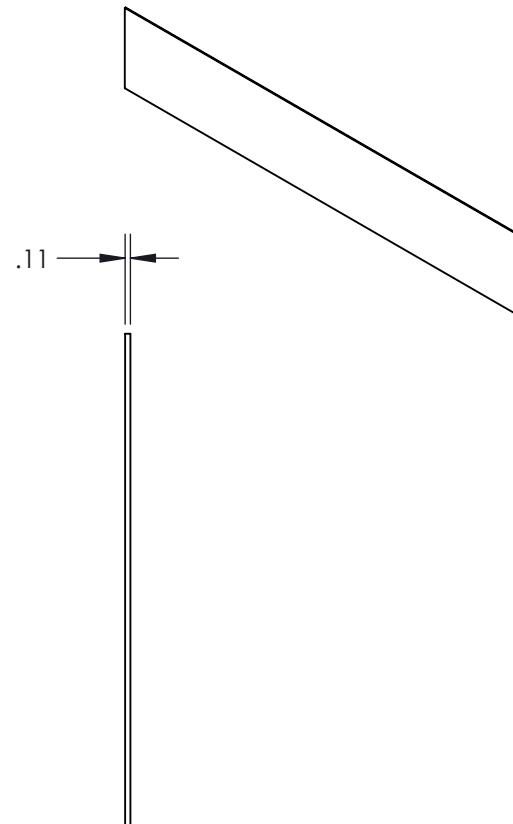
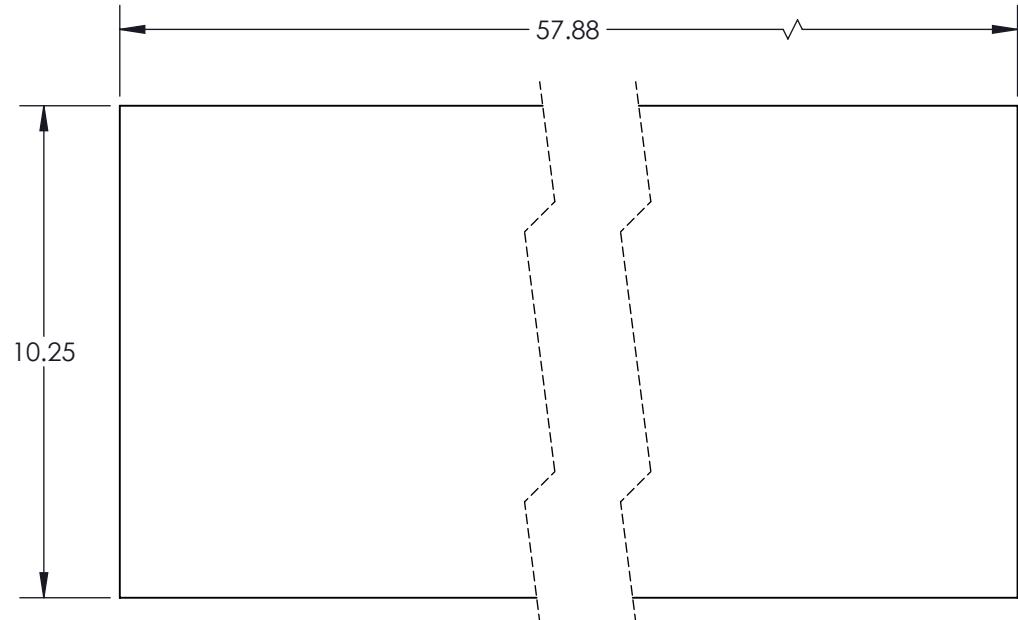
**SEE ATTACHED DEVIATION**

DART AEROSPACE	
TITLE	
TRANSMISSION STAND	
DWG NO. RBEM632V1005102-23	
REV 2	
MAT'L A36/1018/1020 HR	
HEAT TREAT	
FINISH SEE -1 WELDMENT	
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	
SCALE 1:12	DATE 12/11/2015
SHEET 14 OF 31	

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
XXX  $\pm$  .010 FRACTIONS  $\pm$  1/8  
XX  $\pm$  .03 ANGLES  $\pm$  1°  
X  $\pm$  .1 SURFACES = 125  
1. BREAK ALL SHARP EDGES  
.015 x 45° OR .015R  
2. DIMENSIONAL LIMITS APPLY  
AFTER PLATING  
3. INTERPRET DIM AND TOL PER  
ASME Y14.5M-2009

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV			ECR			DESCRIPTION			DATE			INITIAL			APPROVED		
2	16-0182		<b>-25</b> CH'D DIM WAS .09 IS .11.						10/20/2016			SM			JAG		



**SEE ATTACHED DEVIATION**



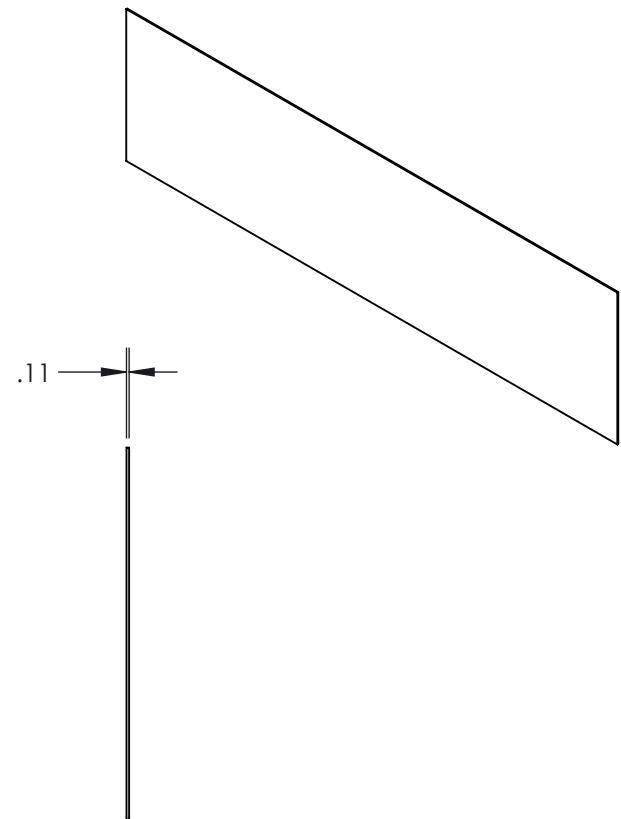
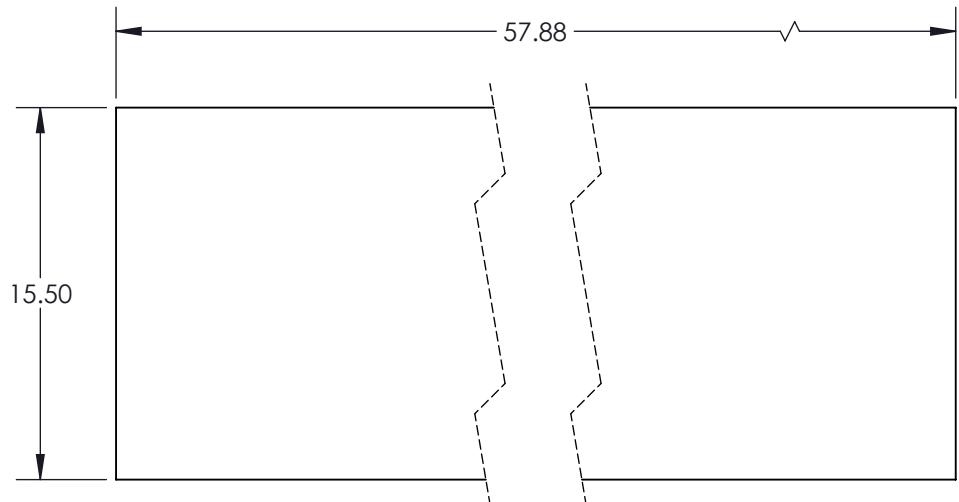
TITLE		TRANSMISSION STAND	
DWG NO.		RBEM632V1005102-25	
MAT'L	A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	REV 2
HEAT		.XXX ± .010 FRACTIONS ± 1/8	
TREAT		.XX ± .03 ANGLES ± 1°	
FINISH	SEE -1 WELDMENT	X ± .1 SURFACES = 125	
SPEC			✓
DRAWN BY:	DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
CHECKED:	CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPPS APPR:	ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR:	LINDSAY	USED ON MODEL	
APPROVED:	GILBERT	H175	
SCALE	1:4	DATE	12/11/2015
			SHEET 15 OF 31

(-25)

SMALL COVER

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV			ECR			DESCRIPTION			REVISIONS		
2	16-0182	-27 CH'D DIM WAS .09 IS .11.							DATE	INITIAL	APPROVED
									10/20/2016	SM	JAG



**SEE ATTACHED DEVIATION**



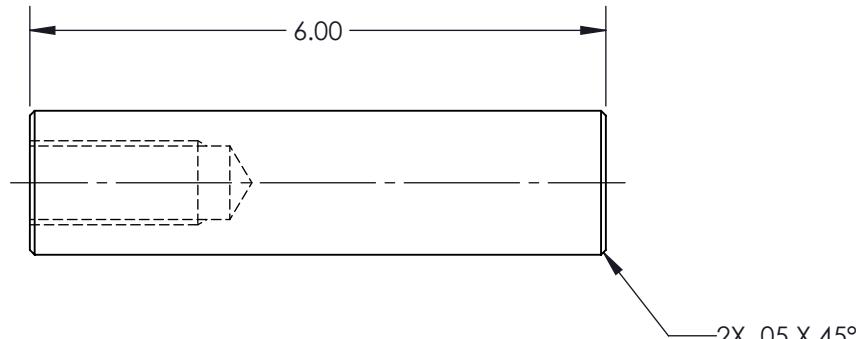
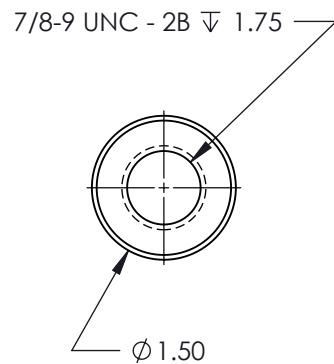
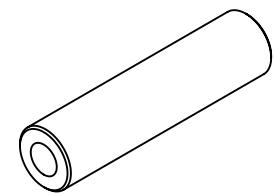
TITLE		TRANSMISSION STAND	
DWG NO.		RBEM632V1005102-27	
MAT'L		A36/1018/1020 HR	REV 2
HEAT		UNLESS OTHERWISE SPECIFIED	
TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .010 FRACTIONS ± 1/8	
SEE -1 WELDMENT		.XX ± .03 ANGLES ± 1°	
SPEC		X ± .1 SURFACES = 125 ✓	
DRAWN BY:		1. BREAK ALL SHARP EDGES	
DUERFELDT		.015 x 45° OR .015R	
CHECKED:		2. DIMENSIONAL LIMITS APPLY	
CLOUGH		AFTER PLATING	
OPPS APPR:		3. INTERPRET DIM AND TOL PER	
ANDERSON		ASME Y14.5M-2009	
QA APPR:		USED ON MODEL	
LINDSAY		H175	
APPROVED:		GILBERT	
SCALE		1:8	DATE 12/11/2015
DATE		12/11/2015	SHEET 16 OF 31

(-27)

LARGE COVER

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	18-0182	-29 CH'D DIM WAS M20X2.5 - 6H $\nabla$ 1.58 IS 7/8-9 UNC - 2B $\nabla$ 1.75	10/21/2016	SM	JAG



**SEE ATTACHED DEVIATION**



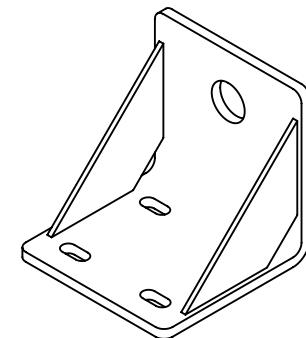
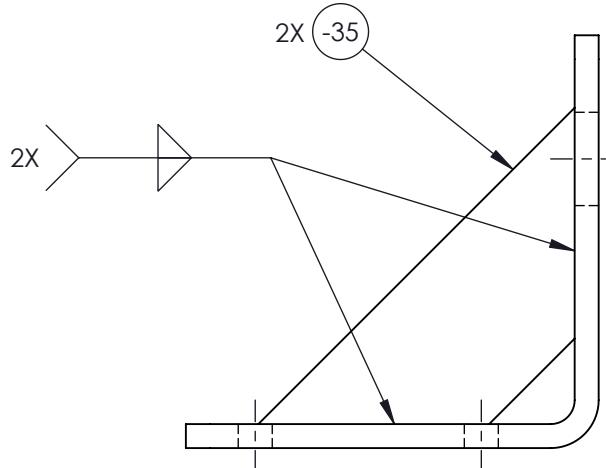
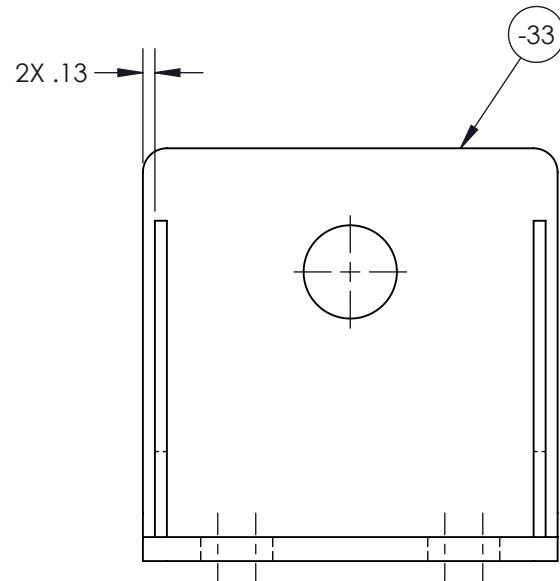
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-29
REV	2
MATERIAL 4140/4142	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8	
.XX $\pm$ .01 ANGLES $\pm$ 5°	
X $\pm$ .1 SURFACES = 125	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	
CHECKED: CLOUGH	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE	1:2
DATE	12/11/2015
SHEET 17 OF 31	

(-29)

TIE DOWN ANCHOR

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION			DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	--	------	---------	----------



**SEE ATTACHED DEVIATION**



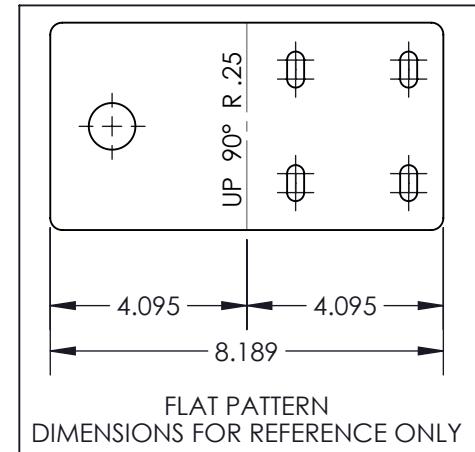
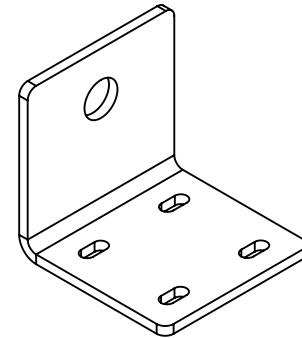
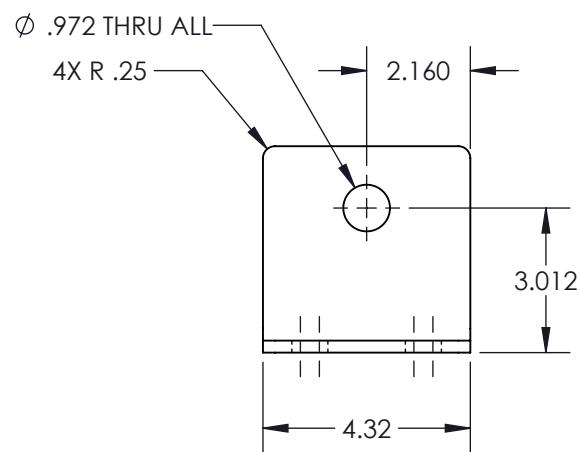
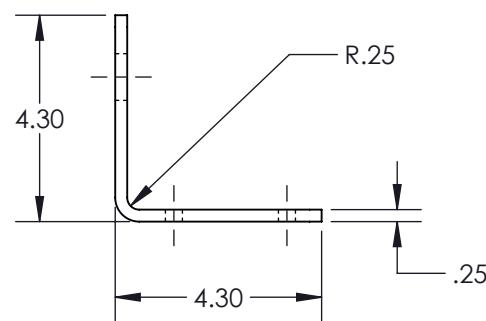
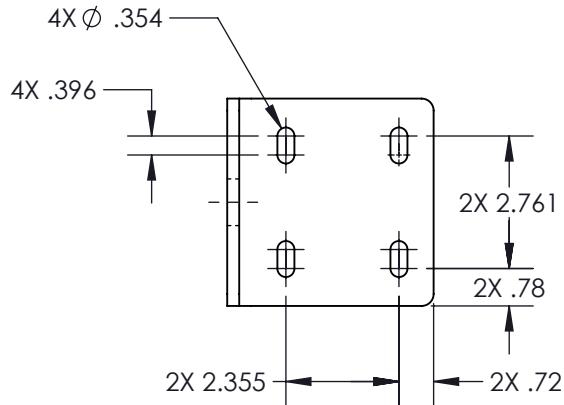
TITLE		REV
TRANSMISSION STAND		2
DWG NO.		RBEM632V1005102-31
MAT'L		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT		.XXX ± .010 FRACTIONS ± 1/8
TREAT		.XX ± .03 ANGLES ± 1°
FINISH		X ± .1 SURFACES = 125 ✓
SPEC FED #13538		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY:		2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED:		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR:		USED ON MODEL
QA APPR:		H175
APPROVED:		GILBERT
SCALE	1:2	DATE 12/11/2015
		SHEET 18 OF 31

(-31)

BRACKET WELDMENT

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION		DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	------	---------	----------



**SEE ATTACHED DEVIATION**

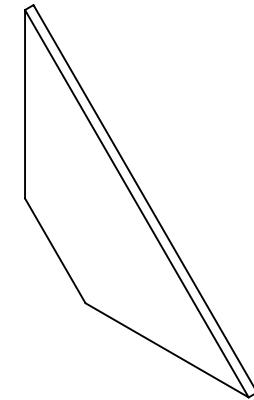
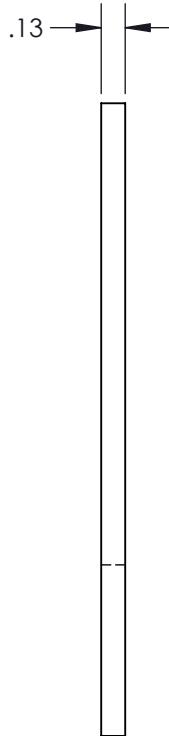
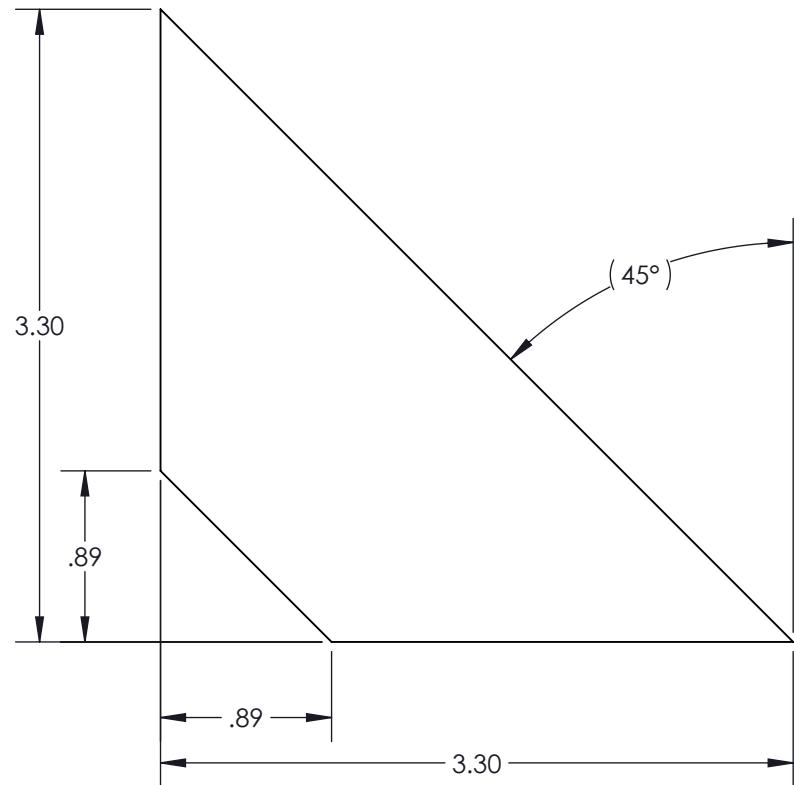
(-33)

BRACKET

<b>DART</b> AEROSPACE	
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-33
REV	2
MAT'L	A36/1018/1020 HR
HEAT	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .010 FRACTIONS ± 1/8
SEE -31 WELDMENT	.XX ± .03 ANGLES ± 1°
SPEC	X ± .1 SURFACES = 125 ✓
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	H175
SCALE	1:4
DATE	12/11/2015
SHEET	19 OF 31

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION			DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	--	------	---------	----------



**SEE ATTACHED DEVIATION**



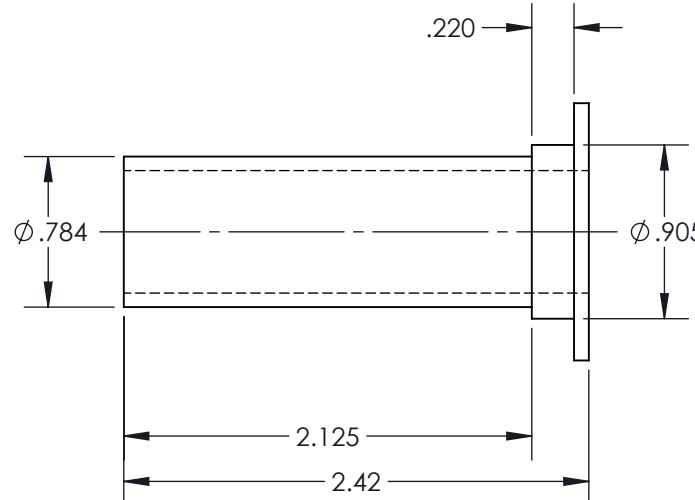
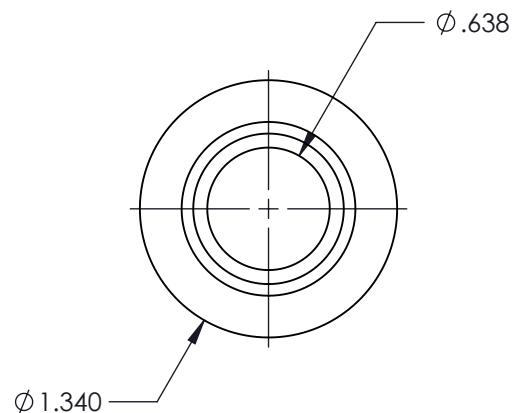
TITLE		REV
TRANSMISSION STAND		2
DWG NO.		RBEM632V1005102-35
MATERIAL		A36/1018/1020 HR
HEAT		UNLESS OTHERWISE SPECIFIED
TREAT		DIMENSIONS ARE IN INCHES
FINISH		.XXX ± .010 FRACTIONS ± 1/8
SEE -31 WELDMENT		.XX ± .03 ANGLES ± 1°
SPEC		X ± .1 SURFACES = 125 ✓
DRAWN BY:		DUERFELDT
CHECKED:		CLOUGH
OPPS APPR:		ANDERSON
QA APPR:		LINDSAY
APPROVED:		GILBERT
SCALE		H175
DATE		12/11/2015
SHEET		20 OF 31

(-35)

BRACKET GUSSET

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION			DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	--	------	---------	----------



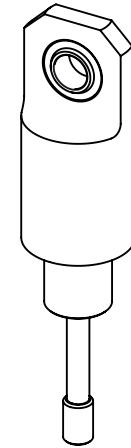
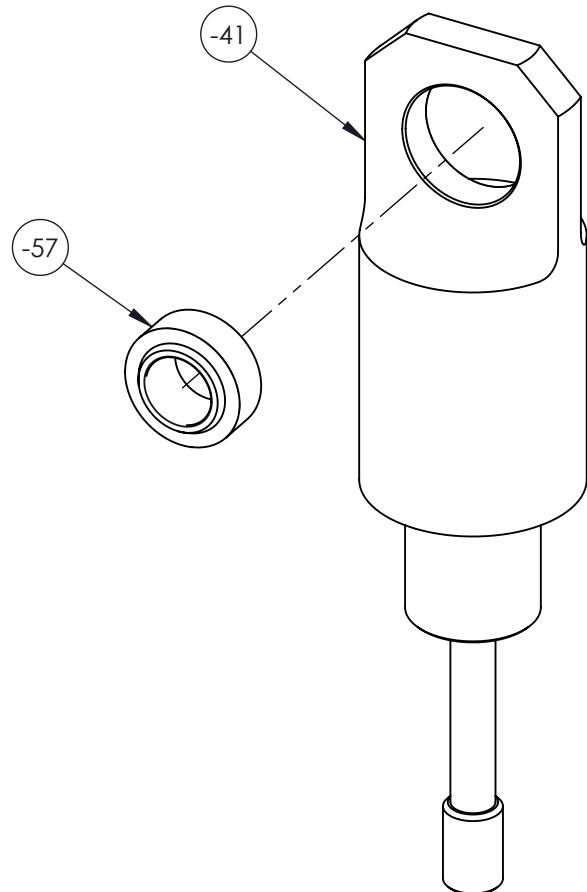
**SEE ATTACHED DEVIATION**



TITLE		REV	
TRANSMISSION STAND		2	
DWG NO.		RBEM632V1005102-37	
MAT'L 4140/4142			
UNLESS OTHERWISE SPECIFIED			
DIMENSIONS ARE IN INCHES			
HEAT .XXX ± .005 FRACTIONS ± 1/8			
TREAT .XX ± .01 ANGLES ± 5°			
FINISH ZINC PLATE .X ± .1 SURFACES = 125 ✓			
SPEC ASTM B633 TYPE I SC 2			
DRAWN BY: DUERFELDT			
CHECKED: CLOUGH			
OPPS APPR: ANDERSON			
QA APPR: LINDSAY			
APPROVED: GILBERT H175			
SCALE	1:1	DATE	12/11/2015
SHEET 21 OF 31			

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		REVISIONS		
				DESCRIPTION		DATE
				INITIAL	APPROVED	



**SEE ATTACHED DEVIATION**



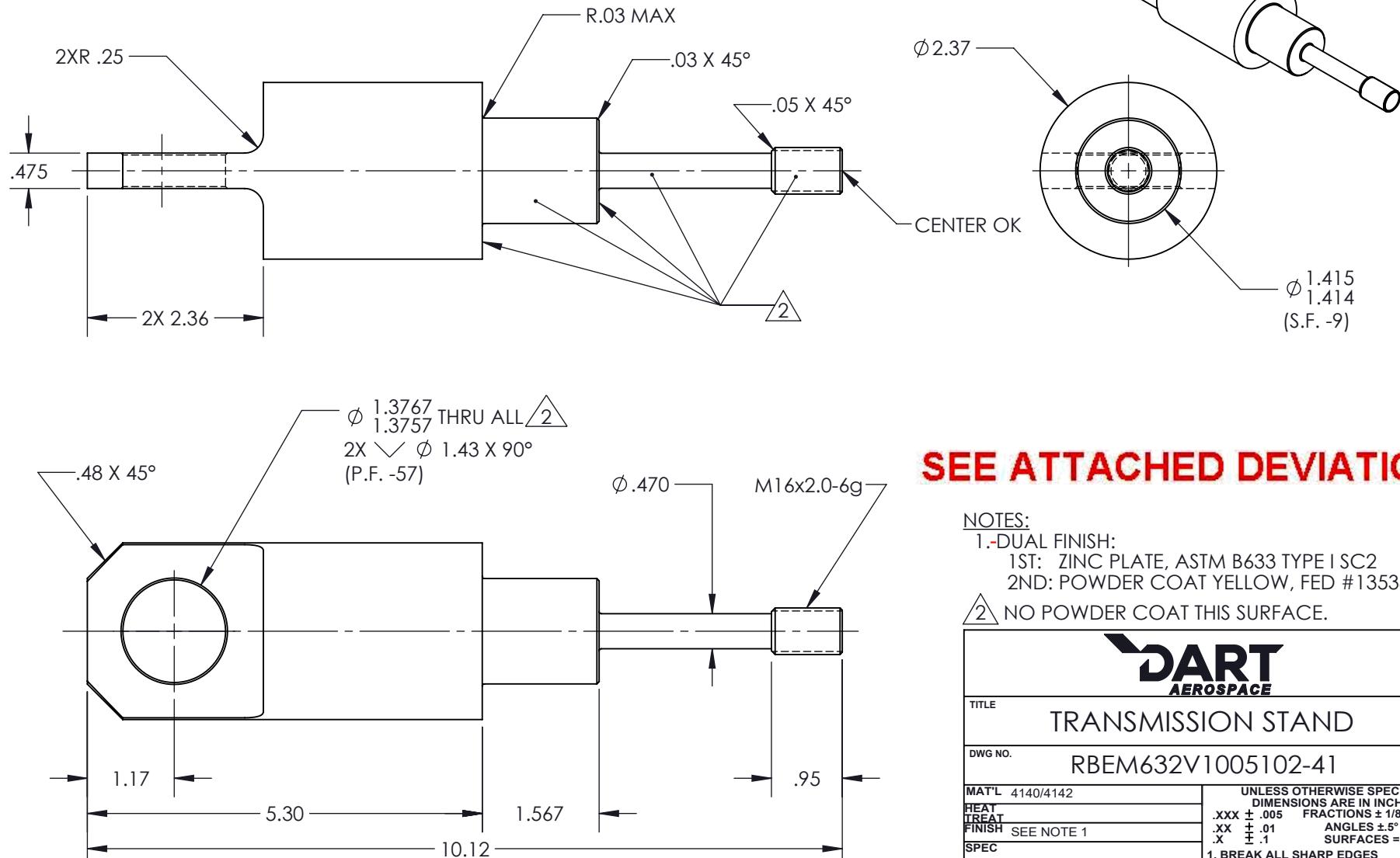
TITLE		TRANSMISSION STAND			
DWG NO.	RBEM632V1005102-39		REV 2		
MAT'L		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
HEAT	.XXX ± .005 FRACTIONS ± 1/8				
TREAT	.XX ± .01 ANGLES ± 5°				
FINISH	X ± .1 SURFACES = 125				
SPEC					
DRAWN BY:	DUFERFELDT		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		
CHECKED:	CLOUGH		2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
OPPS APPR:	ANDERSON		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009		
QA APPR:	LINDSAY		USED ON MODEL		
APPROVED:	GILBERT		H175		
SCALE	1:2	DATE	12/11/2015		
			SHEET 22 OF 31		

-39

ANCHOR ASSEMBLY

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV			ECR			DESCRIPTION			DATE			INITIAL			APPROVED		
2	16-0182		<b>-41</b> ADDED DIM .05 X 45°; ADDED NOTE "CENTER OK".						10/20/2016			SM			JAG		



**SEE ATTACHED DEVIATION**

NOTES:

1. DUAL FINISH:  
 1ST: ZINC PLATE, ASTM B633 TYPE I SC2  
 2ND: POWDER COAT YELLOW, FED #13538.

2. NO POWDER COAT THIS SURFACE.



TRANSMISSION STAND

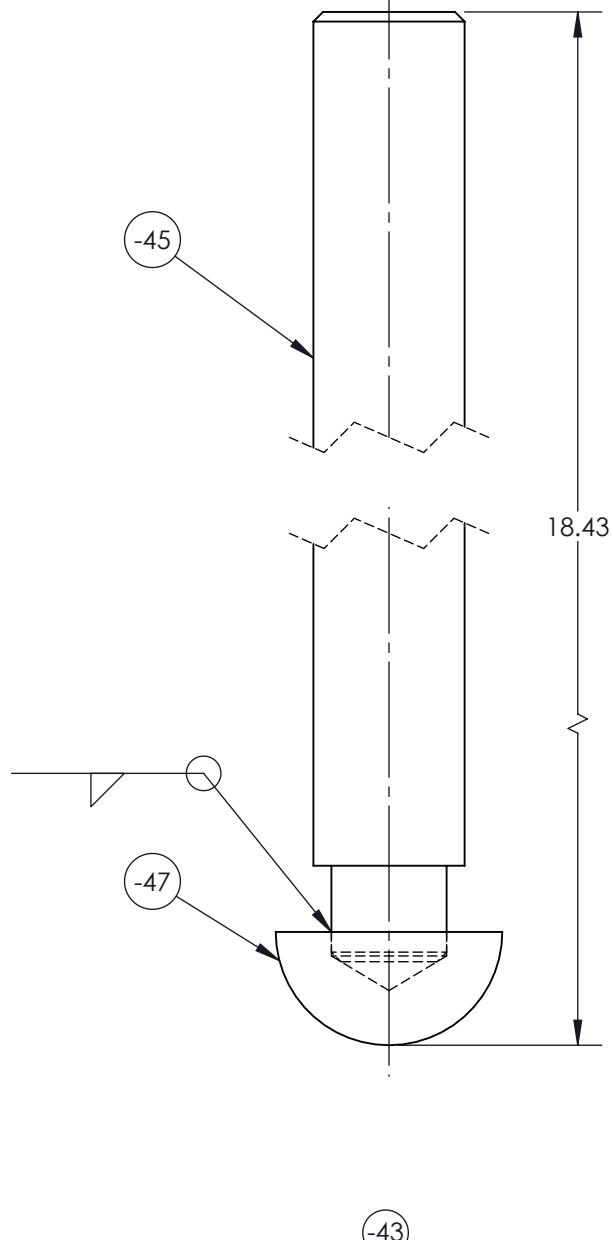
TITLE		REV
DWG NO.		2
MAT'L	4140/4142	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT		.XXX ± .005 FRACTIONS ± 1/8
TREAT		.XX ± .01 ANGLES ± 5°
FINISH	SEE NOTE 1	X ± .1 SURFACES = 125
SPEC		✓
DRAWN BY:	DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED:	CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR:	ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR:	LINDSAY	USED ON MODEL
APPROVED:	GILBERT	H175
SCALE	1:2	DATE 12/11/2015
		SHEET 23 OF 31

(-41)

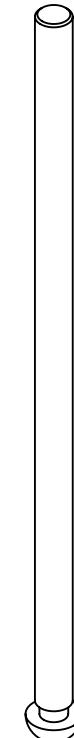
ANCHOR

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV	ECR	REVISIONS		
		DESCRIPTION	DATE	INITIAL



JACKSCREW ROD WELDMENT

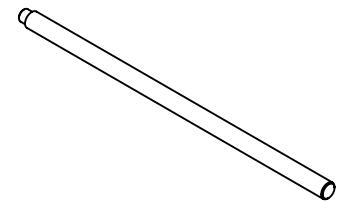
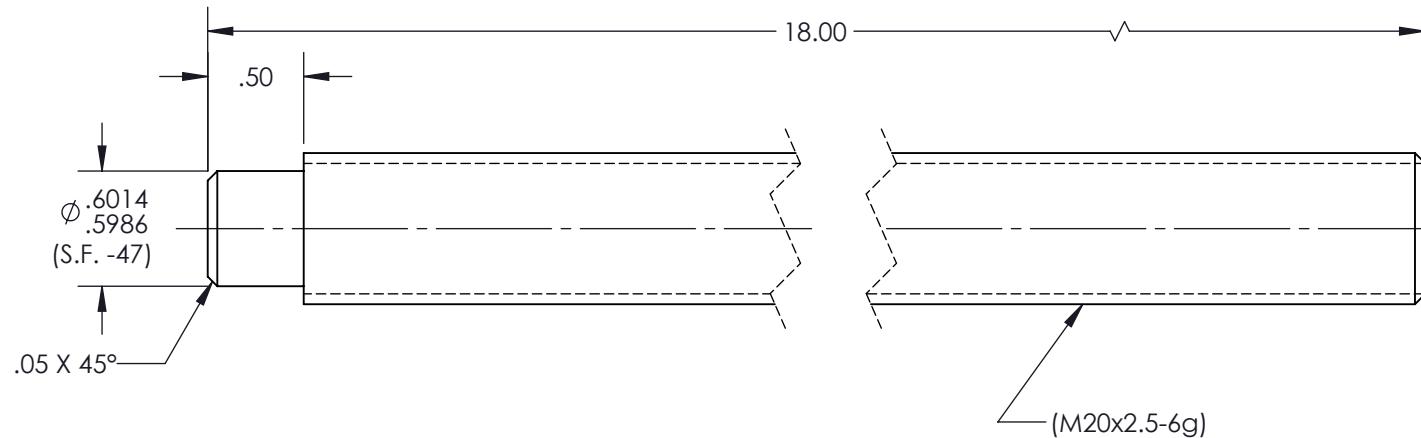


**SEE ATTACHED DEVIATION**

<b>DART</b> AEROSPACE	
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-43
REV	2
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT .XXX ± .010 FRACTIONS ± 1/8	
TREAT .XX ± .03 ANGLES ± 1°	
FINISH ZINC PLATE .X ± .1 SURFACES = 125 ✓	
SPEC ASTM B633 TYPE I SC 2	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	
H175	
SCALE	1:1
DATE	12/11/2015
SHEET 24 OF 31	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0182	-45 CH'D DIM WAS $\varnothing$ .6014/.5986 S.F. -47 IS $\varnothing$ .6014/.5986 (S.F. -47).	10/20/2016	SM	JAG



**SEE ATTACHED DEVIATION**

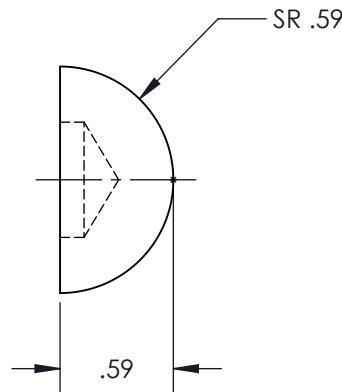
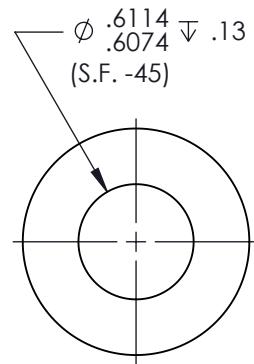
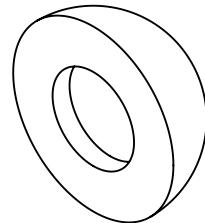
<b>DART</b> AEROSPACE	
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-45
REV	2
MAT'L B7	
HEAT	
TREAT	
FINISH SEE -43 WELDMENT	
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8	
.XX $\pm$ .01 ANGLES $\pm$ 5°	
X $\pm$ .1 SURFACES = 125	
1. BREAK ALL SHARP EDGES	
.015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY	
AFTER PLATING	
3. INTERPRET DIM AND TOL PER	
ASME Y14.5M-2009	
USED ON MODEL	
H175	
SCALE	1:1
DATE	12/11/2015
SHEET 25 OF 31	

-45

JACKSCREW ROD

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0182	-47 CH'D DIM WAS $\varnothing .6114/.6074 \pm .13$ S.F. -45 IS $\varnothing .6114/.6074 \pm .13$ (S.F. -45).	10/20/2016	SM	JAG



**SEE ATTACHED DEVIATION**



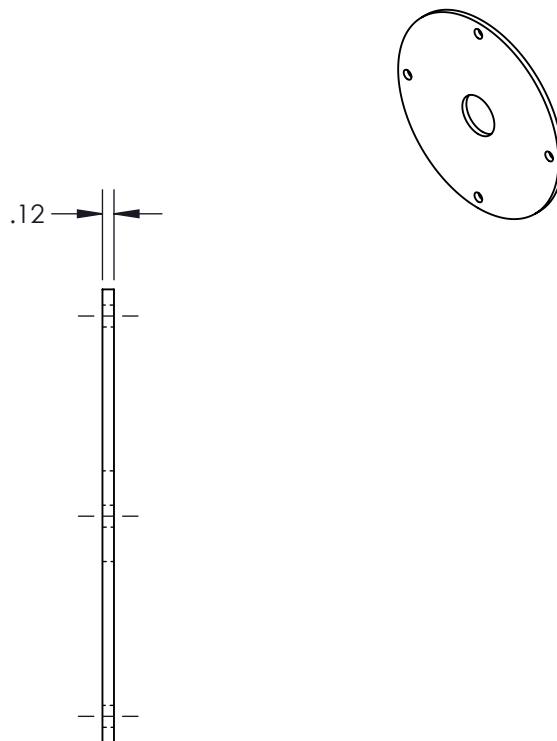
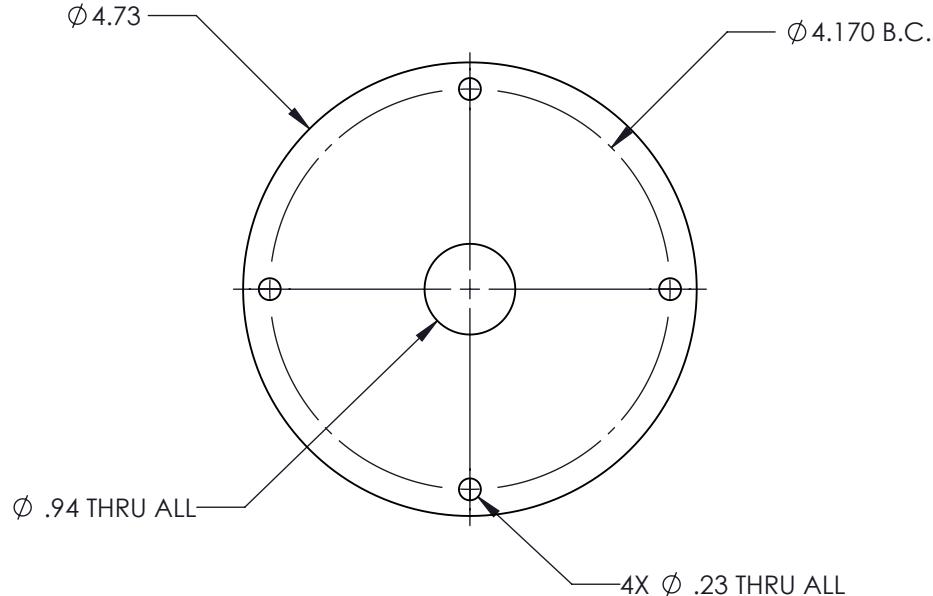
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-47
REV	2
MAT'L	4140/4142
HEAT	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -43 WELDMENT	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
DRAWN BY:	X ± .1 SURFACES = 125 ✓
CHECKED:	1. BREAK ALL SHARP EDGES
OPPS APPR:	.015 x 45° OR .015R
QA APPR:	2. DIMENSIONAL LIMITS APPLY
APPROVED:	AFTER PLATING
	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
SCALE	1:1
DATE	12/11/2015
SHEET	26 OF 31

(-47)

JACKSCREW ROD PIVOT

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		REVISIONS			DESCRIPTION		DATE		INITIAL		APPROVED	



**SEE ATTACHED DEVIATION**



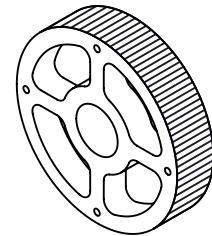
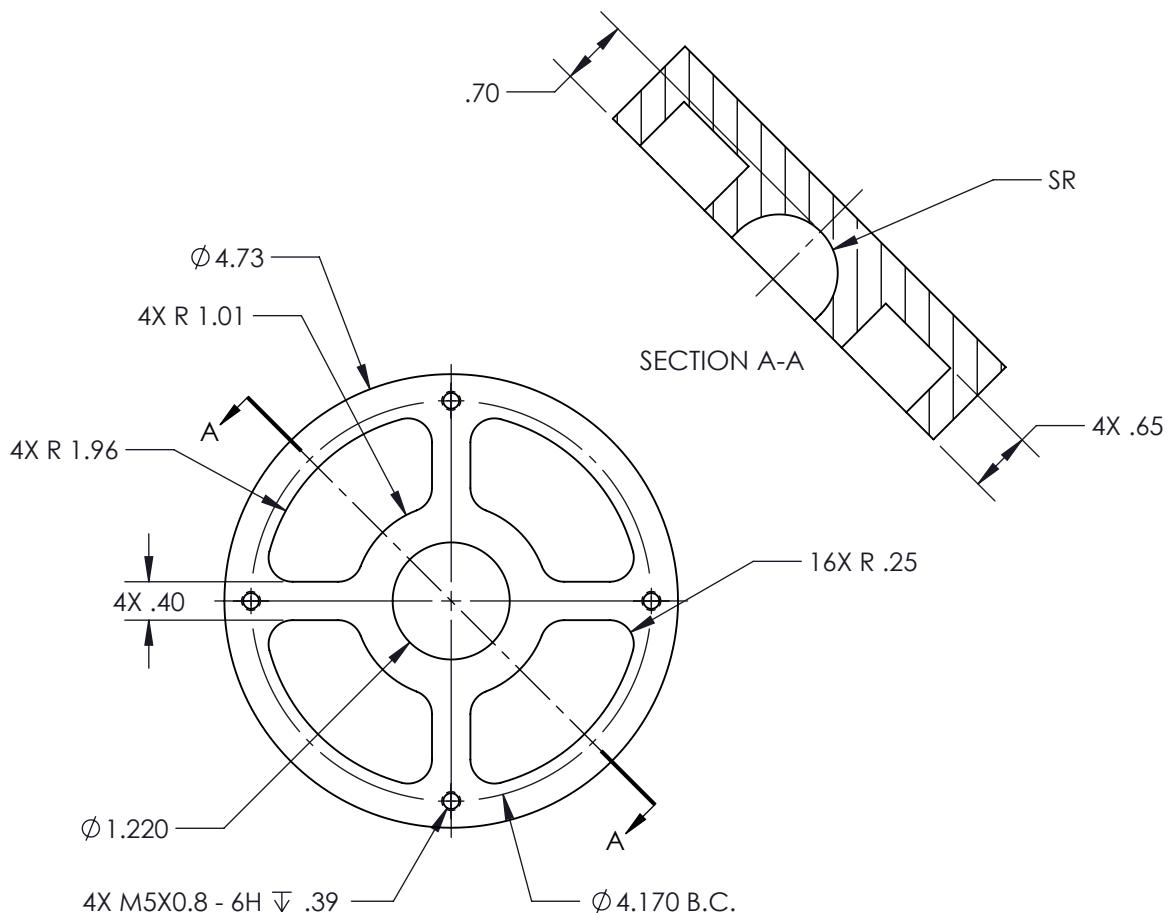
TITLE		TRANSMISSION STAND	
DWG NO.		RBEM632V1005102-49	
MAT'L		A36/1018/1020 HR	REV 2
HEAT		UNLESS OTHERWISE SPECIFIED	
TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .005 FRACTIONS ± 1/8	
SPEC		.XX ± .01 ANGLES ± 5°	
FED #13538		X ± .1 SURFACES = 125 ✓	
DRAWN BY:	DUERFELDT	1. BREAK ALL SHARP EDGES	
CHECKED:	CLOUGH	.015 x 45° OR .015R	
OPPS APPR:	ANDERSON	2. DIMENSIONAL LIMITS APPLY	
QA APPR:	LINDSAY	AFTER PLATING	
APPROVED:	GILBERT	3. INTERPRET DIM AND TOL PER	
		ASME Y14.5M-2009	
SCALE		1:2	USED ON MODEL
DATE		12/11/2015	H175
SHEET		27 OF 31	

-49

JACKSCREW COVER

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS						
REV	ECR	DESCRIPTION			DATE	INITIAL



**SEE ATTACHED DEVIATION**



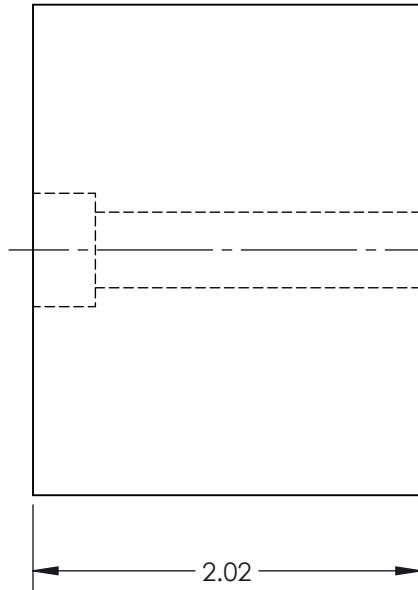
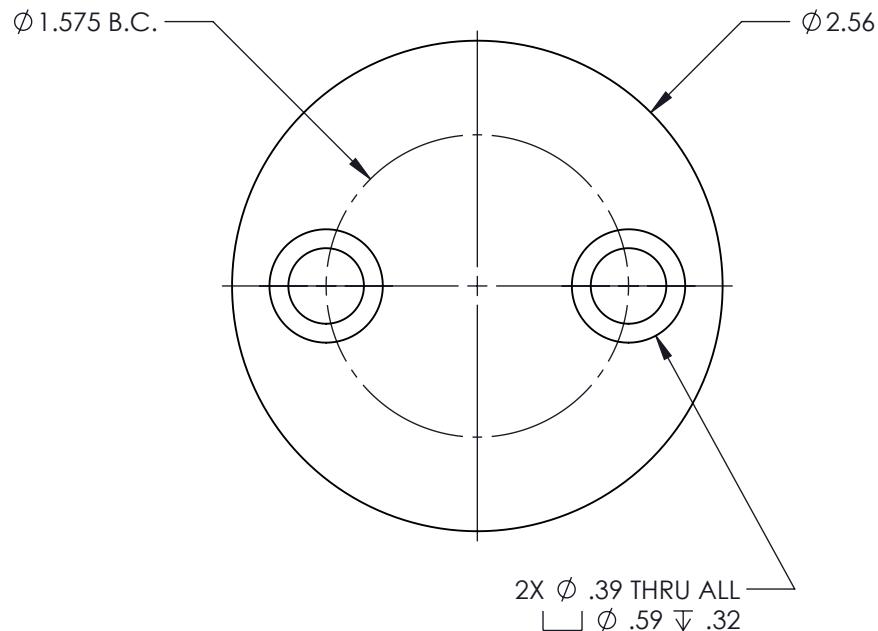
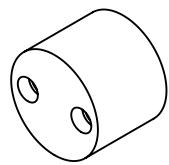
			
TITLE			
TRANSMISSION STAND			
DWG NO. RBEM632V1005102-51 REV 2			
<b>MAT'L</b> 4140/4142		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
<b>HEAT</b> <b>TREAT</b>		$.XXX \pm .005$ FRACTIONS $\pm 1/8$	
<b>FINISH</b> POWDER COAT YELLOW		$.XX \pm .01$ ANGLES $\pm .5^\circ$	
<b>SPEC</b> FED #13538		$.X \pm .1$ SURFACES = 125	
<b>DRAWN BY:</b> DUERFELDT		1. BREAK ALL SHARP EDGES $.015 \times 45^\circ$ OR .015R	
<b>CHECKED:</b> CLOUGH		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
<b>OPPS APPR:</b> ANDERSON		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
<b>QA APPR:</b> LINDSAY		USED ON MODEL	
<b>APPROVED:</b> GILBERT		H175	
<b>SCALE</b>	1:2	<b>DATE</b>	12/11/2015
		<b>SHEET</b> 28 OF 31	

-51

## JACKSCREW FOOT

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

			REVISIONS		
REV	ECR		DESCRIPTION	DATE	INITIAL
2	16-0182		-53 CH'D DIM WAS 2X Ø.29 THRU ALL ↗ Ø.43 ↘ .25 IS 2X Ø.39 THRU ALL ↗ Ø.59 ↘ .32.	10/20/2016	SM JAG



**SEE ATTACHED DEVIATION**



TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-53
REV	2
MAT'L	WHITE DELRIN/ACETAL
HEAT	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
DRAWN BY:	X ± .1 SURFACES = 125 ✓
CHECKED:	1. BREAK ALL SHARP EDGES
OPPS APPR:	.015 x 45° OR .015R
QA APPR:	2. DIMENSIONAL LIMITS APPLY
APPROVED:	AFTER PLATING
	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
SCALE	H175
DATE	12/11/2015
SHEET	29 OF 31

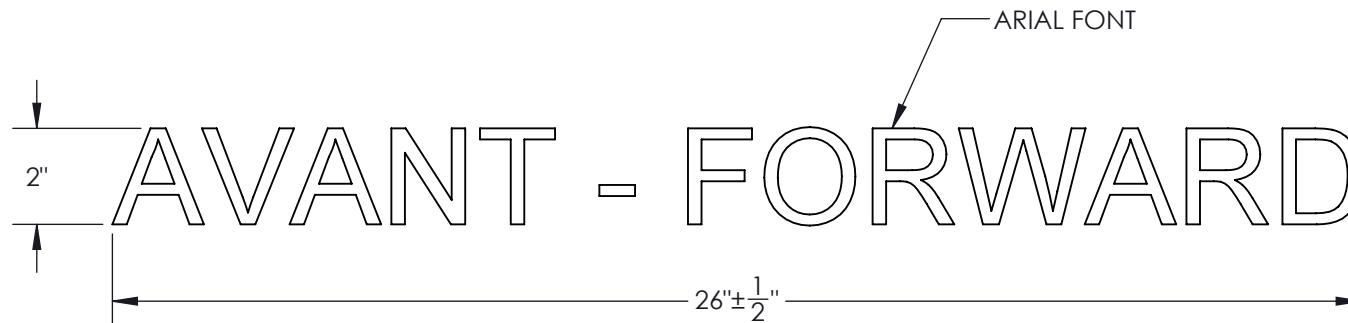
(-53)

DELRIN PAD

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED
2	16-0182	-89	ADDED TO BOM QTY 1. ADDED DRAWING.		2/3/2017	SM	JAG

AVANT - FORWARD



SEE ATTACHED DEVIATION

<b>DART</b> AEROSPACE	
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-89
REV	2
MATERIAL: BLACK CUT, VINYL	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH	X ± .1 SURFACES = 125 ✓
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY:	CLOUGH
CHECKED:	
OPPS APPR:	
QA APPR:	USED ON MODEL
APPROVED:	H175
SCALE	1:4
DATE	1/18/2017
SHEET 30 OF 31	

(-89)

LABEL

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED
2	16-0182	-91	ADDED TO BOM QTY 1. ADDED DRAWING.		2/3/2017	SM	JAG

RBEM632V1005102

2"  
RBEM632V1005102  
24 $\frac{7}{8}$ " $\pm\frac{1}{2}$ "

**SEE ATTACHED DEVIATION**

<b>DART</b> AEROSPACE	
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-91
REV	2
MATERIAL BLACK CUT, VINYL	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX $\pm$ .010 FRACTIONS $\pm$ 1/8
TREAT	.XX $\pm$ .03 ANGLES $\pm$ 1°
FINISH	X $\pm$ .1 SURFACES = 125
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY:	CLOUGH
CHECKED:	
OPPS APPR:	
QA APPR:	USED ON MODEL
APPROVED:	H175
SCALE	1:4
DATE	1/18/2017
SHEET 31 OF 31	

-91

LABEL

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only 

Job: _____		DISPOSITION		DEPARTMENT/PROCESS				
Part No. RBEM632V1005102 REV. 2		Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Cross tube <input type="checkbox"/>	Eng. (Non-AW) <input type="checkbox"/>	Engineering <input type="checkbox"/>	
		Use-as-is <input type="checkbox"/>		Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Water Jet <input type="checkbox"/>	
				Large Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier Quality <input type="checkbox"/>	
Date : _____	Sequence #:	QTY Affected :				MRB (QSI042) <i>M. Lee</i> AUGUST 17, 2018		
Description Work Order Deviation		Disposition						
RBEM632V1005102-3 /-5 /-7: - MATERIAL WAS STEEL, IS ASTM A500 REC. TUBING		This deviation is acceptable.						Completed By
RBEM632V1005102-21: - MATERIAL WAS STEEL, IS ASTM A500 REC. TUBING -WALL THICKNESS WAS .12 IS .19		RBEM632V1005102-49 /-51: - DIMENSION WAS 4.73 IS 4.75						Lead hand / Supervisor
RBEM632V1005102-25 /-27: - THICKNESS WAS .11 IS 11 GA. (.1196")		The fit, form and function of the part will be as originally intended.						QC / QA Coordinator
RBEM632V1005102-23: - THICKNESS WAS .09 IS 13 GA. (.0897")		PER VM						
RBEM632V1005102-29 /-37 /-41 /-51: - WAS 4140/4142 IS 4140/4142 (28-32 Rc)								
RBEM632V1005102-51: - WAS WHITE DELRIN/ACETAL IS WHITE DELRIN/ACETAL ASTM D6100								
RBEM632V1005102-89 /-91: - MATERIAL WAS BLACK CUT VINYL IS 3M #180C-12 BLACK ADHESIVE-BACKED VINYL								
Root Cause		FAULT CATEGORY						
Operator <input type="checkbox"/>	Pressure/Forced <input type="checkbox"/>	Contamination <input type="checkbox"/>	Power Loss/Surge <input type="checkbox"/>	Positioned Wrong <input type="checkbox"/>				
Manufacturing Process <input checked="" type="checkbox"/>	Bending <input type="checkbox"/>	Misaligned/off center <input type="checkbox"/>	Folio/Program <input type="checkbox"/>	Outside Tolerance <input type="checkbox"/>				
Equip/Tooling <input type="checkbox"/>	Crushing <input type="checkbox"/>	BOM/Route <input type="checkbox"/>	Grain Direction <input type="checkbox"/>	Drawing <input type="checkbox"/>				
Handling/Preservation <input type="checkbox"/>	Cracks <input type="checkbox"/>	Broken/Damage/Defect <input type="checkbox"/>	Weld <input type="checkbox"/>	Finish <input type="checkbox"/>				
Material <input checked="" type="checkbox"/>	Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/>	Incomplete/Unclear Instructions <input type="checkbox"/>	Wrong Stock Pulled <input type="checkbox"/>	Part Lost/Missing <input type="checkbox"/>				
Product Improvement <input type="checkbox"/>	Marks/Chatter <input type="checkbox"/>	Drill Holes <input type="checkbox"/>	Out of Sequence <input type="checkbox"/>	Misread <input type="checkbox"/>				
Process Improvement <input type="checkbox"/>	Mislabeled <input type="checkbox"/>	Fit/Function <input type="checkbox"/>	Off-set/Set-up <input type="checkbox"/>					
Human Factors <input type="checkbox"/>	Other/Details:							